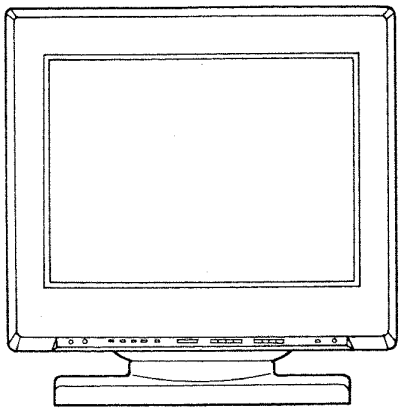
GDM-17E01

SERVICE MANUAL

US Model
Canadian Model
Chassis No. SCC-G28D-A
AEP Model
Chassis No. SCC-G24D-A



N-1 CHASSIS

SPECIFICATIONS

Picture tube	0.30 mm aperture grill pitch 17 inches measured diagonally (16″ visual) 90-degree deflection
Effective picture size	Approx. 328 × 242 mm (w/h) (13 × 9 5/8 inches)
Resolution	Horizontal: Max. 1280 dots Vertical: Max. 1024 lines
Display picture size	Approx. 293 × 234 mm (w/h) (11 5/8 × 9 1/4 inches) or Approx. 300 × 225 mm (w/h) (11 7/8 × 8 7/8 inches)
Deflection frequency	Horizontal: 30 to 82 kHz Vertical: 50 to 150 Hz
AC input voltage/current	100 to 120 V, 50/60 Hz, Max. 2.7 A 220 to 240 V, 50/60 Hz, 1.5 A
Dimensions	406 × 414 × 450 mm (w/h/d) (16 × 16 3/8 × 17 3/4 inches)
Mass	Approx. 22.5 kg (57 lb 5 oz)

Design and specifications are subject to change without notice.

MULTISCAN®
COLOR GRAPHIC DISPLAY

SONY®

MICROFILM

POWER SAVING FUNCTION

The unit supports the computers corresponding to the "Power Saving Function".

Power saving operation

- The H sync or V sync is not present.

  ⬇

  The unit goes into suspend mode.

- Both the H sync and V sync are not present.

  ⬇

  The unit goes into active-off mode.

Note

As this unit has the Power Saving Function, if you turn on the unit with no signal input, the unit goes into Power Saving mode and waits for an input signal.

WARNING!!

NEVER TURN ON THE POWER IN A CONDITION IN WHICH THE DEGAUSS COIL HAS BEEN REMOVED.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK ⚠ ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL FOR SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL FOR SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

AVERTISSEMENT!!

NE JAMAIS METTRE SOUS TENSION QUAND LA BOBINE DE DEMAGNETISATION EST ENLEVEE.

ATTENTION AUX COMPOSANTS RELATIFS À LA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÈS PAR UNE TRAME ET PAR UNE MARQUE ⚠ SUR LES SCHÉMAS DE PRINCIPE, LES VUES EXPLOSÉES ET LES LISTES DE PIECES SONT D'UNE IMPORTANCE CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMÉRO DE PIÉCE EST INDIQUÉ DANS LE PRÉSENT MANUEL OU DANS DES SUPPLÉMENTS PUBLIÉS PAR SONY. LES RÉGLAGES DE CIRCUIT DONT L'IMPORTANCE EST CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT SONT IDENTIFIES DANS LE PRÉSENT MANUEL. SUIVRE CES PROCÉDURES LORS DE CHAQUE REMPLACEMENT DE COMPOSANTS CRITIQUES, OU LORSQU'UN MAUVAIS FONCTIONNEMENT EST SUSPECTÉ.

SAFETY CHECK-OUT
(US Model only)

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

1. Check the area of your repair for unsoldered or poorly-soldered connections. Check the entire board surface for solder splashes and bridges.
2. Check the interboard wiring to ensure that no wires are "pinched" or contact high-wattage resistors.
3. Check that all control knobs, shields, covers, ground straps, and mounting hardware have been replaced. Be absolutely certain that you have replaced all the insulators.
4. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
5. Look for parts which, through functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
6. Check the line cords for cracks and abrasion. Recommend the replacement of any such line cord to the customer.
7. Check the B+ and HV to see if they are specified values. Make sure your instruments are accurate; be suspicious of your HV meter if sets always have low HV.
8. Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

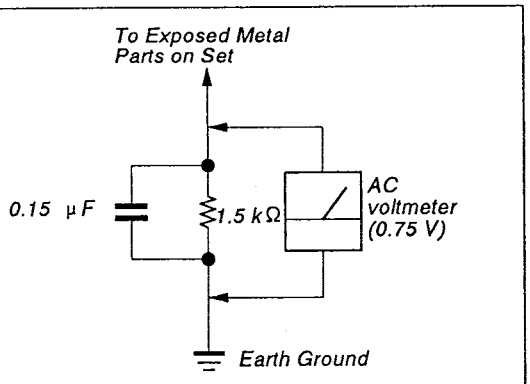


Fig. A. Using an AC voltmeter to check AC leakage.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOMs that are suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

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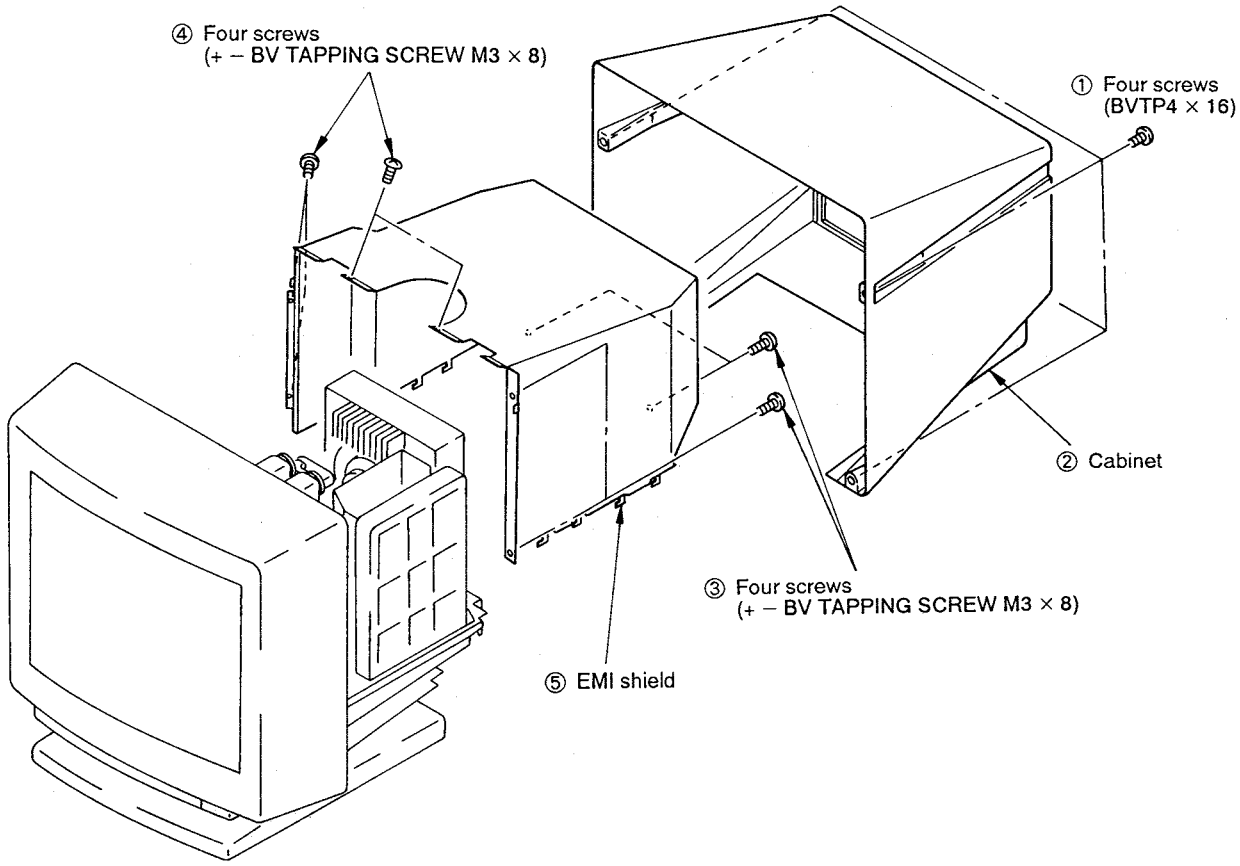
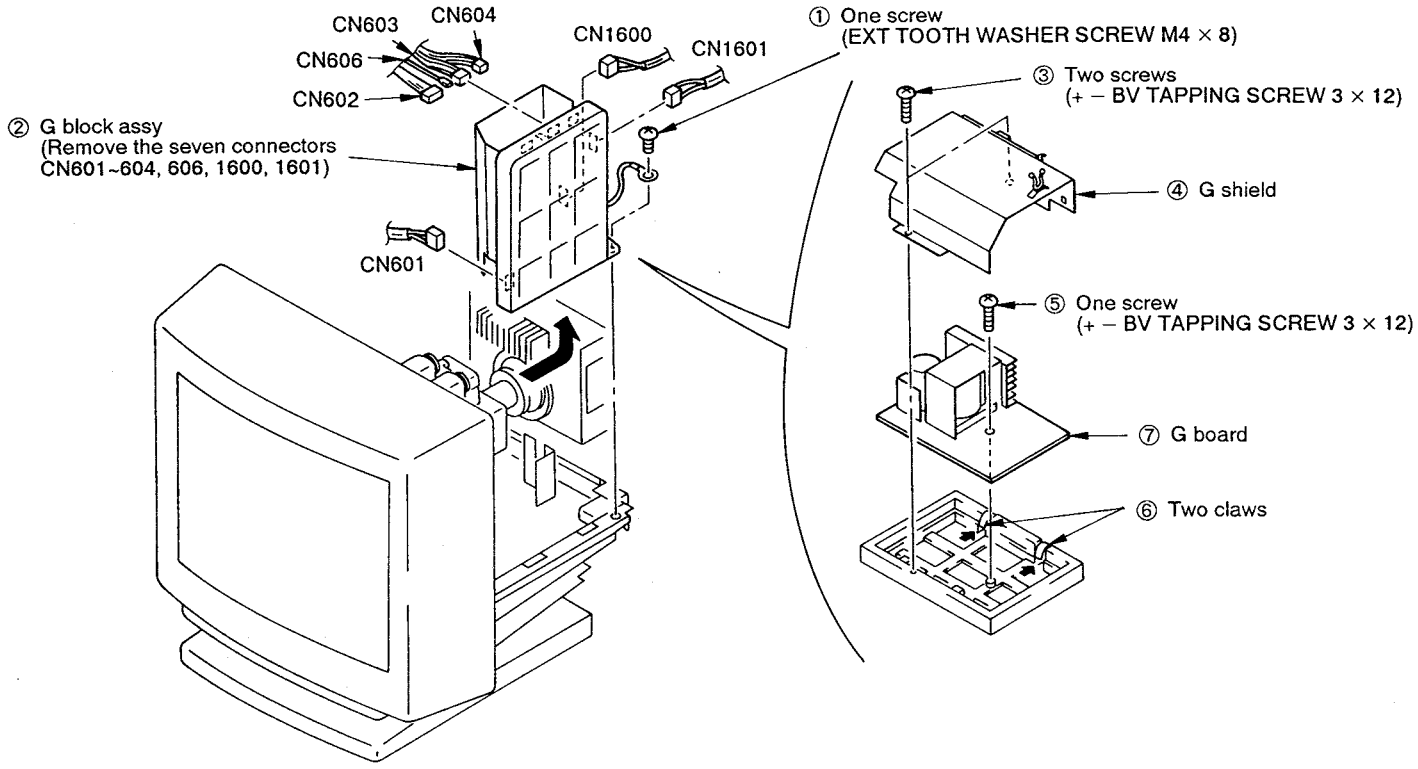
SECTION 1
DISASSEMBLY

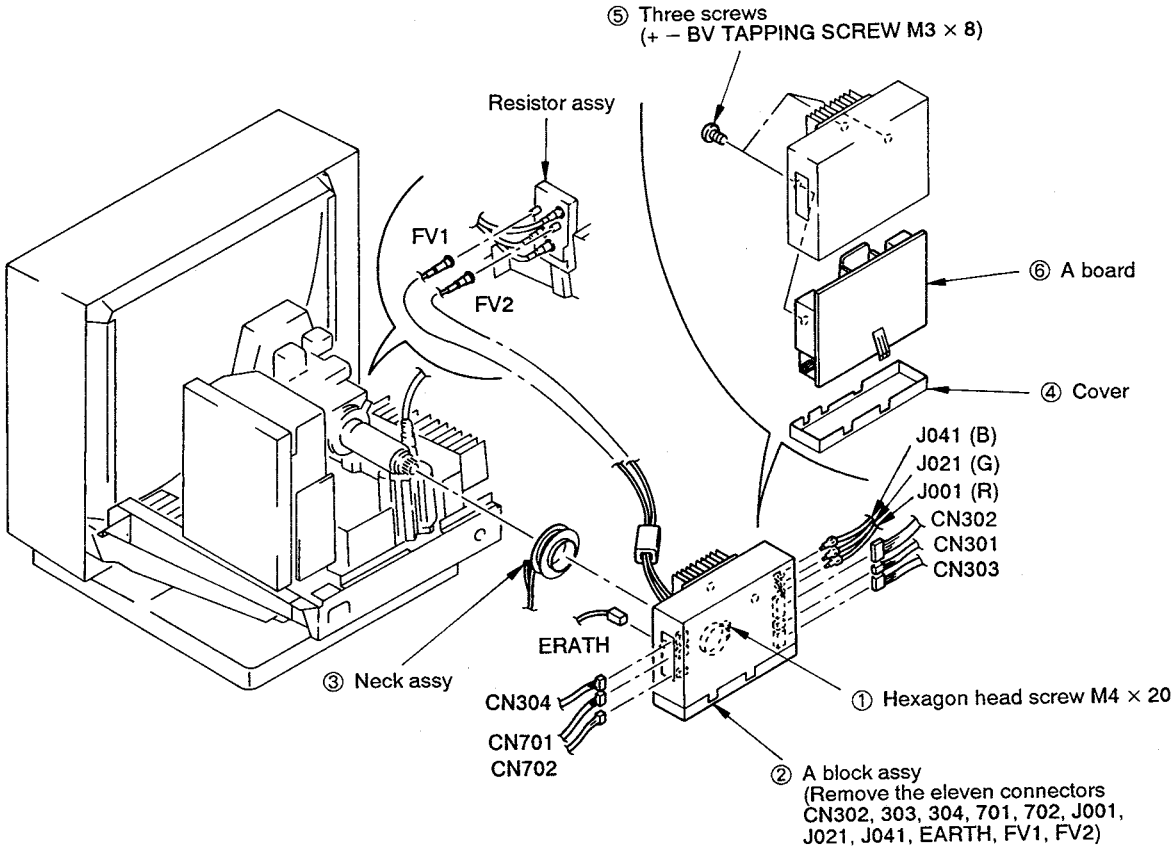
1-1. CABINET AND EMI SHIELD REMOVAL



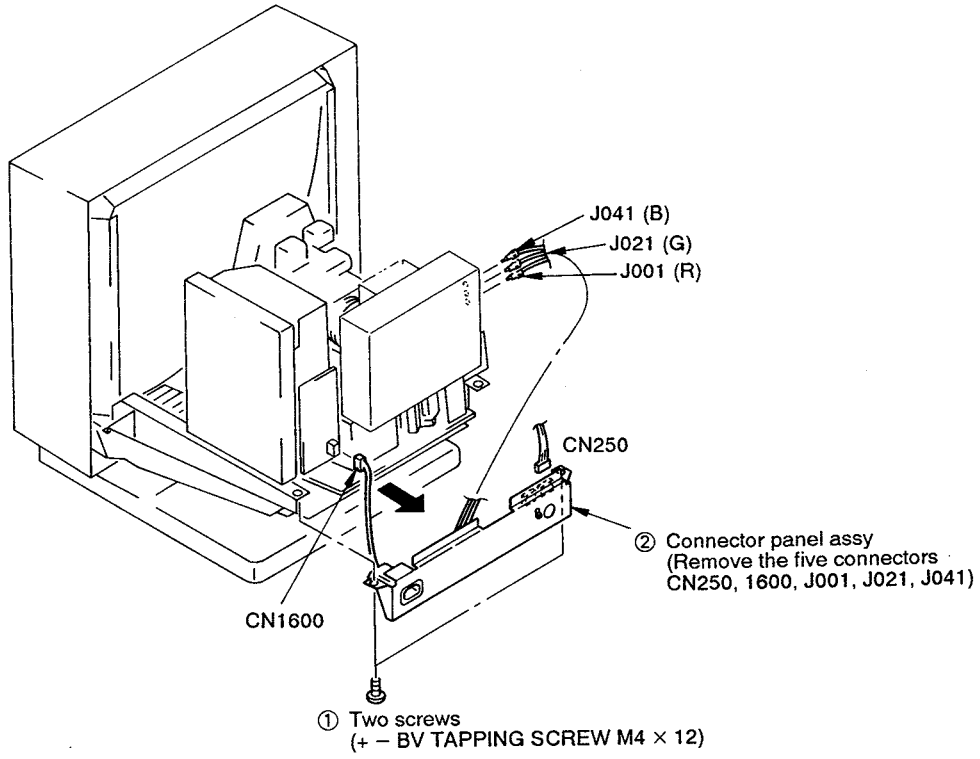
1-2. G BLOCK ASSY REMOVAL



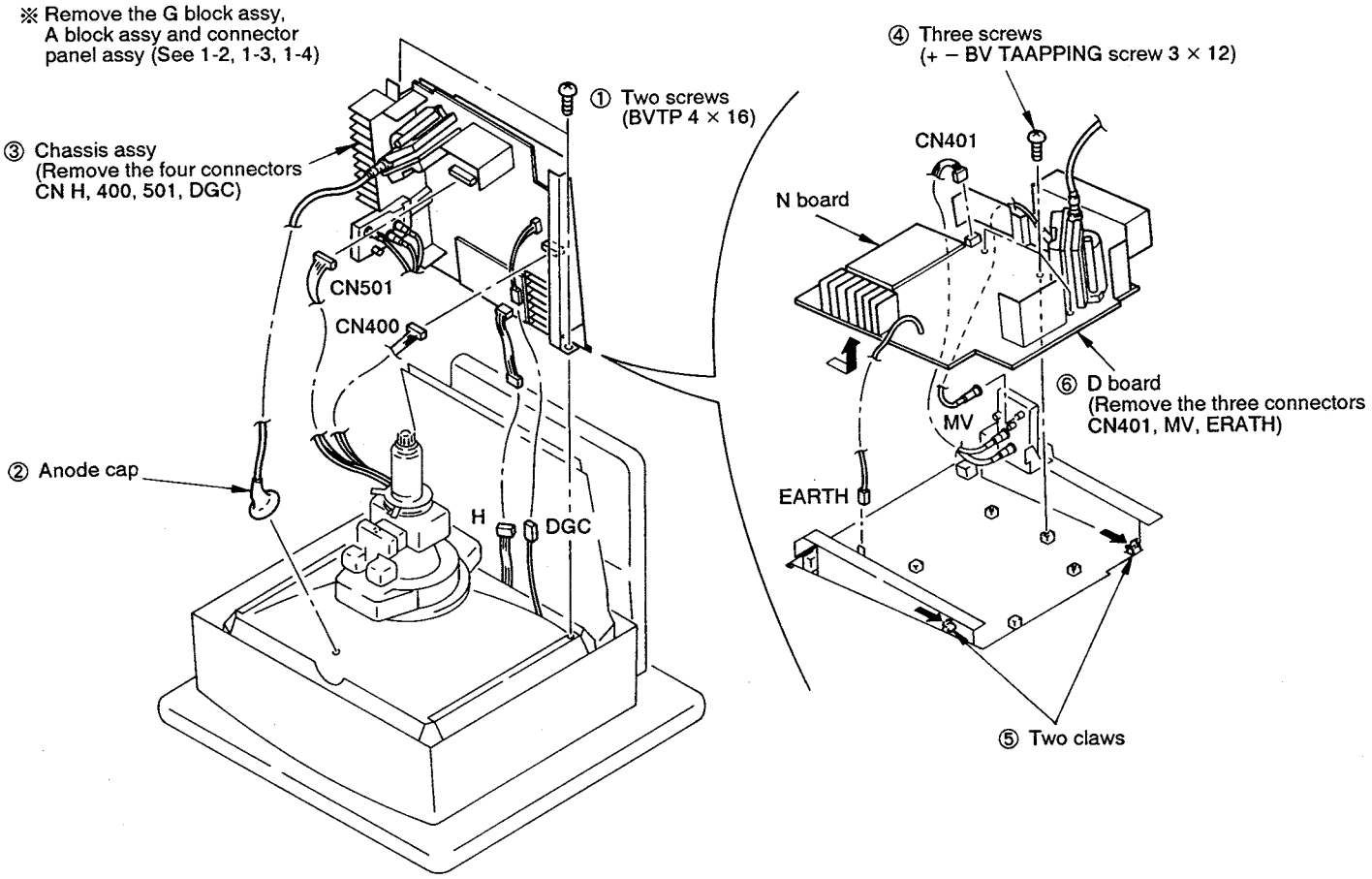
1-3. A BLOCK ASSY REMOVAL



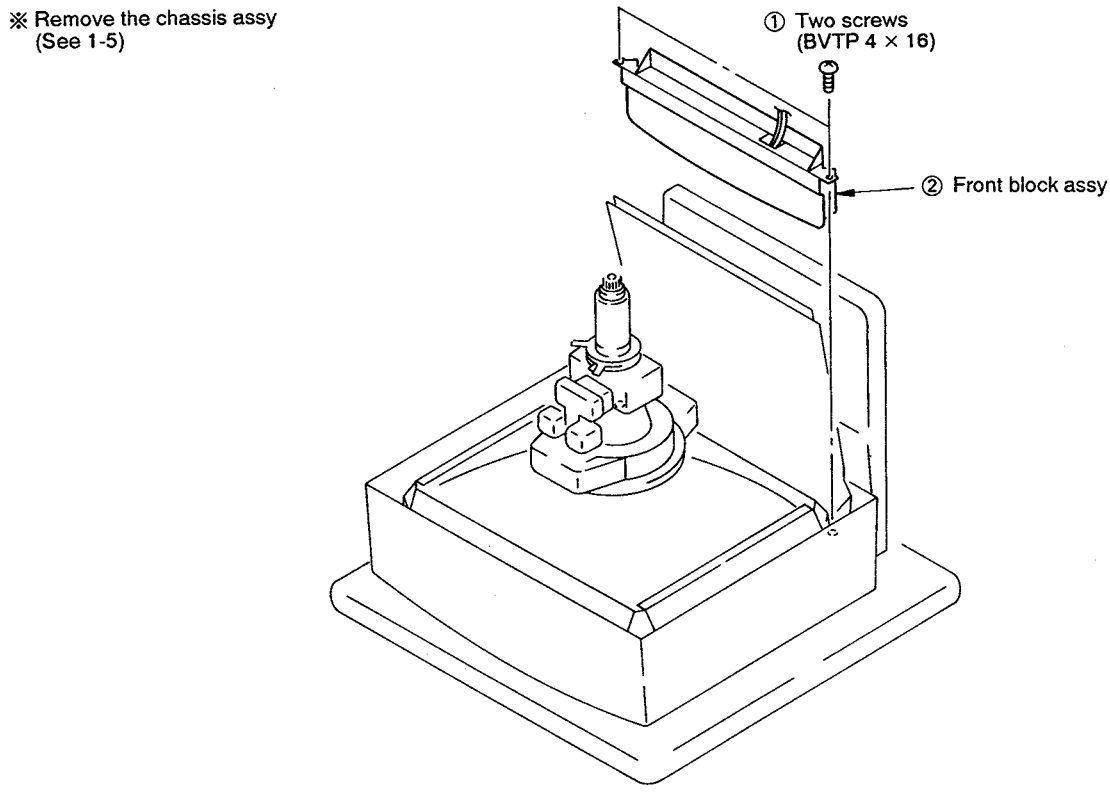
1-4. CONNECTOR PANEL ASSY REMOVAL



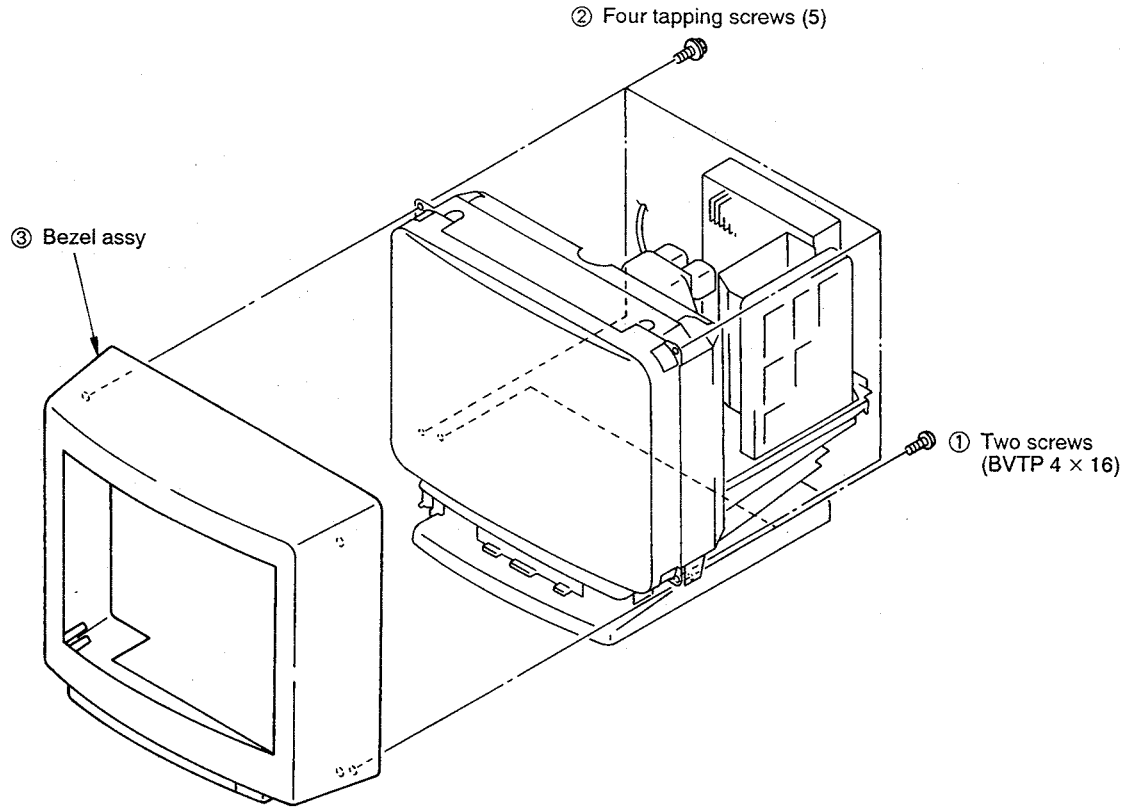
1-5. CHASSIS ASSY REMOVAL


※ Remove the G block assy, A block assy and connector panel assy (See 1-2, 1-3, 1-4)
① Two screws (BVTP 4 × 16)
④ Three screws (+ – BV TAAPPING screw 3 × 12)
③ Chassis assy (Remove the four connectors CN H, 400, 501, DGC)
CN401
N board
CN501
CN400
⑥ D board (Remove the three connectors CN401, MV, ERATH)
MV
② Anode cap
H
DGC
EARTH
⑤ Two claws

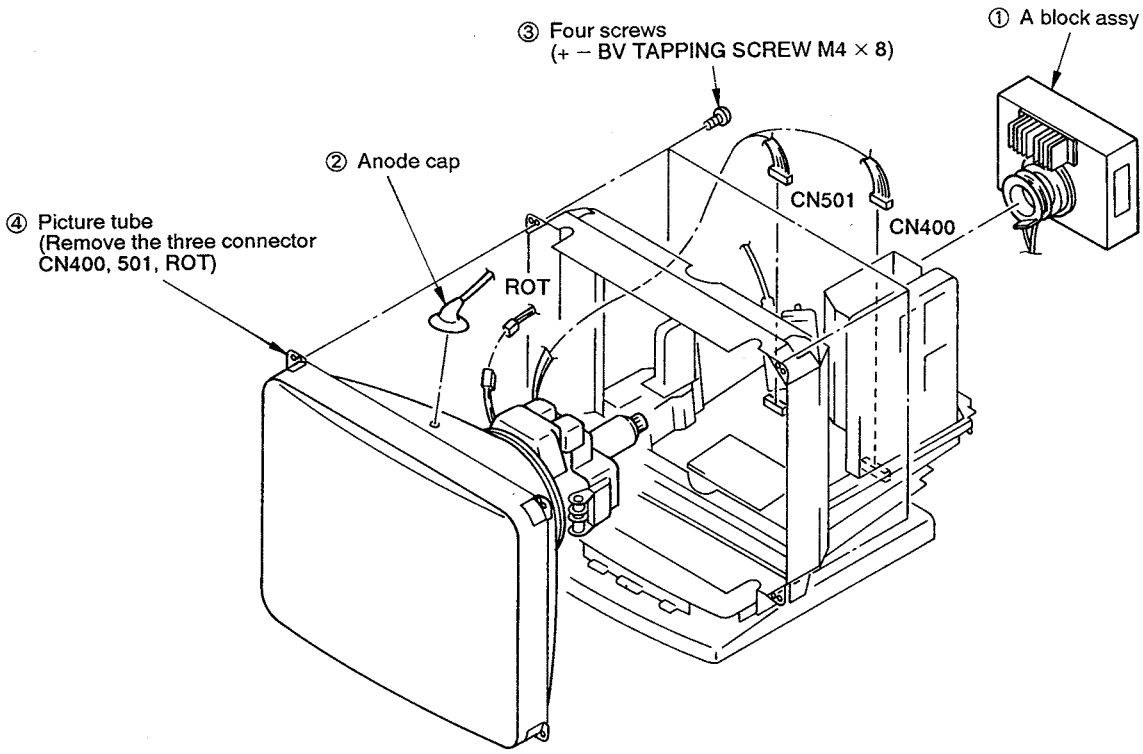
1-6. FRONT BLOCK ASSY REMOVAL



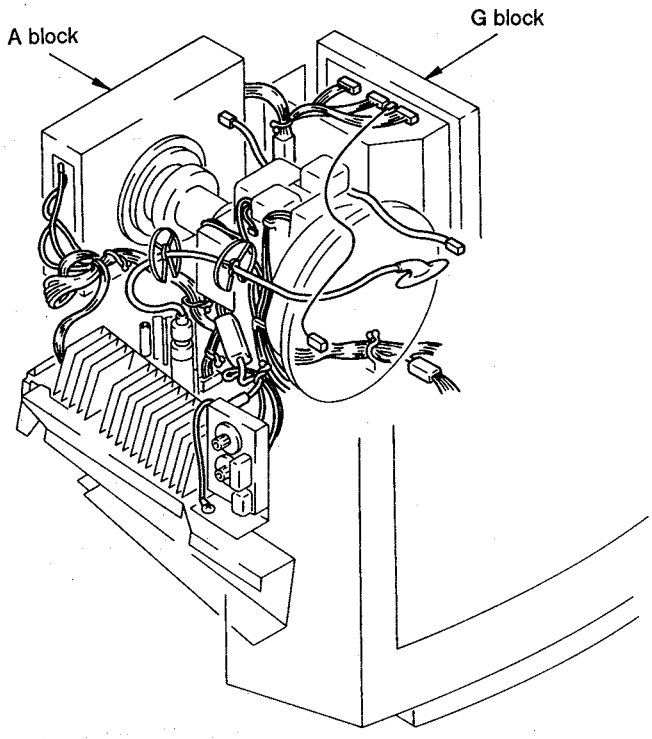
1-7. BEZEL ASSY REMOVAL



1-8. PICTURE TUBE REMOVAL



1-9. WIRING HARNESS LAYOUT



SECTION 2
SAFETY RELATED ADJUSTMENT

When replacing or repairing the shown below table, the following operational checks must be performed as a safety precaution against X-rays emissions from the unit.

HV Regulator Circuit Check	D board------ IC804, T600 • Mounted D board
HV. Hold-Down Circuit Check	D board------ IC804, R826, R832, R842, R843, T600 • Mounted D board
Beam Current Protector Circuit Check	D board------ IC804, T600 • Mounted D board
B+ Regulator Circuit Check	G board------ IC602, IC603, R630 • Mounted G board • Power Supply Block
OVP Circuit Check	G board------ D620, R631, R633, R635, Q610 • Mounted G board • Power Supply Block

a) HV Regulator Check

1) Input a white dot signal and set the contrast and bright to the minimum level.

   check point
   pin ② of CN801 , 9.00 $^{+0.05}_{-0.06}$ VDC

b) HV Hold-Down Check

1) Check if the raster disappears when the voltage less than 8.80 VDC is applied between pin ⑤ of CN801 and GND from the external power source.

c) Beam Protector-1 and Protector-2 Check

1) Record the initial value of ABL-SHUTDOWN, input the "255" for resistor value.
2) Reduce the resistance gradually from the maximum level using a variable resistor of more than 12 〔K-ohm〕 and an ammeter connected in series between pin ① of CN801 and GND.
3) Check that the protector circuit operates to disappear the raster when the current level drops less than 1.36 mA.
4) Back the value of ABL-SHUTDOWN to the initial regulation value.

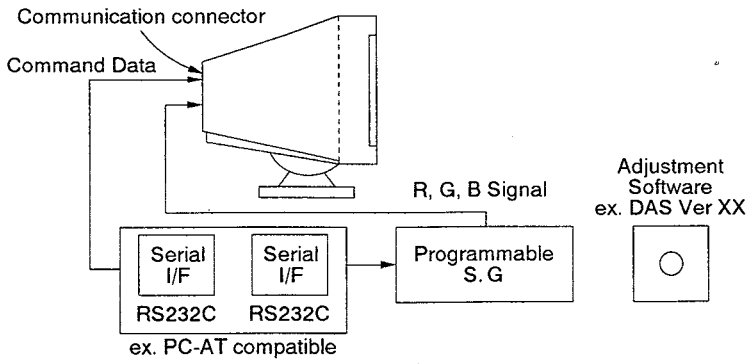
d) B+ Regulator Circuit Check

1) Input a white dot signal and set the contrast and bright to the minimum level.

   check point
   pin ① of CN602, 144.0 ± 3 VDC

SECTION 3
ADJUSTMENTS

Connect the communication cable of the computer (ex. PC-AT) to the connecter located on the rear side of the monitor. Run the service software and then follow the instruction.

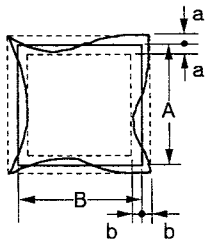


- **White Balance Adjustment Specification**

Adjustments Procedure	Input signal	Value of CONT, BRT	Adjust point	Specification
Color mode "H" (9300K)				
1	Glay	BRT-110 CONT-255	G2	Green become to be visible.
2	ALL Black	BRT-255, CONT-0	R. CUT MAX, G. CUT MAX, B. CUT MAX	0.283 ± 0.010, 0.298 ± 0.010 $Y=4^{+1}_{-0.5}$ cd/m²
3	ALL White	BRT-80, G. CUT MIN CONT-255 *Note	G-DRV	Y=95 ± 1 cd/m²
4	Glay	BRT-80 CONT-255	R. CUT MIN B. CUT MIN	0.283 ± 0.010 0.298 ± 0.010
5	ALL White	BRT-255 CONT-255	R-DRV, B-DRV	0.283 ± 0.010, 0.298 ± 0.010 Y=120 ± 1 cd/m²
6	ALL White	CONT-0 BRT-80	CONT MIN BRT MAX	Y=8 ± 1 cd/m²
7	ALL White	CONT-255 BRT-255	CONT MAX BRT MAX	Less than 150 cd/m²
Color mode "M" (6500K)				
1	ALL Black		R. CUT MAX, G. CUT MAX, B. CUT MAX	0.313 ± 0.010, 0.329 ± 0.010 Y=3 ± 0.5 cd/m²
2	Glay	BRT-80, G. CUT MIN CONT-255 *Note	R. CUT MIN G. CUT MIN	0.313 ± 0.010 0.329 ± 0.010
3	ALL White	BRT-80 CONT-255	G-DRV, B-DRV CONT MAX/BRT MAX	0.313 ± 0.010, 0.329 ± 0.010 Y=100 ± 1 cd/m²
4	ALL White	CONT-0 BRT-80	CONT MIN/BRT MAX, CONT MIN/BRT MIN	Y=8 ± 1 cd/m²
5	ALL White	CONT-255 BRT-255	CONT MAX BRT MAX	Less than 150 cd/m²
Color mode "L" (5000K)				
1	ALL Black	BRT-255 CONT-0	R. CUT MAX, G. CUT MAX, B. CUT MAX	0.345 ± 0.010, 0.358 ± 0.010 Y=3 ± 05 cd/m²
2	Glay	BRT-80, G. CUT MIN CONT-255 *Note	R. CUT MIN G. CUT MIN	0.345 ± 0.010 0.358 ± 0.010
3	ALL White	BRT-80 CONT-255	G-DRV, B-DRV CONT MAX/BRT MAX	0.345 ± 0.010, 0.358 ± 0.010 Y=90 ± 1 cd/m²
4	ALL White	CONT-0 BRT-80	CONT MIN/BRT MAX, CONT MIN/BRT MIN	Y=8 ± 1 cd/m²
5	ALL White	CONT-255 BRT-255	CONT MAX BRT MAX	Less than 150 cd/m²

*Note $\dfrac{110 \times 255 - 80 \times [\text{G. CUT MAX Value}]}{175}$

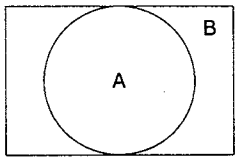
- **Vertical and Horizontal Position and Size Specification**



a < 2.4 mm
b < 2.4 mm

mode	A	B
16 × 12 16 × 10	300	225
20 × 16	293	234

- **Convergence Specification**



A = 0.30 mm
B = 0.30 mm

- **Geometric Adjustment Methods (All BUS cont)**

1. V-CENT ADJ
2. V-SIZE ADJ
3. V-KEY ADJ
4. V-LIN BALANCE ADJ
5. V-LIN ADJ
6. H-CENT ADJ
7. H-POSI ADJ
8. H-SIZE ADJ
9. KEY BALANCE ADJ
10. KEY ADJ
11. SIDE PIN BALANCE ADJ
12. PIN AMP ADJ
13. S-LINE ADJ
14. SEXY-LINE ADJ

SECTION 4
TROUBLESHOOTING

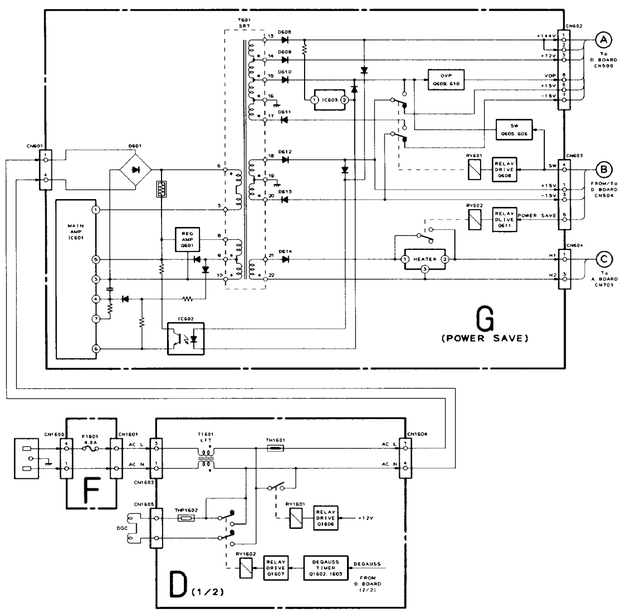
This diagnostic troubleshooting guide uses the monitor symptom as a clue for selecting a repair procedure. Select the listed symptom closest to that of your monitor and follow the procedure given for that symptom in this troubleshooting guide. If the same trouble recurs even after you have changed a block or part, re-install the original block or part, then proceed to the next step.

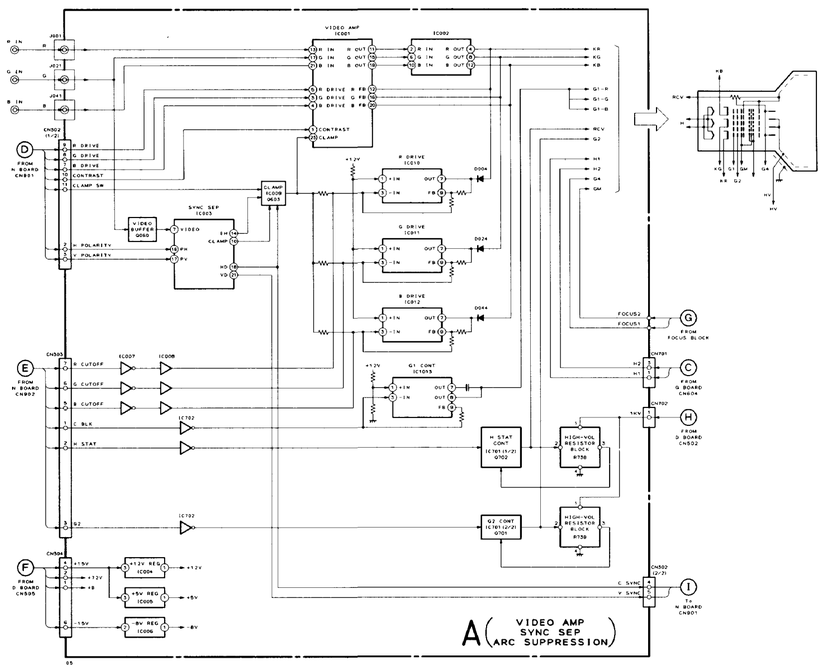
Symptoms	Repair Procedure
• No Power	1. Check whether the internal power supply connector is connected. 2. Inspect the power supply fuse. → If it has blown, change it. If it blows again, proceed to the next step. 3. Charge the Power block. 4. Change the D board block.
• Sametime shutdown after work while	1. Check the hold down voltage. 2. Change the hight voltage capacitor. C805 3. Change the D board block.
• Abnormal coil demagnetization	1. Change the Power block.
• No Picture	1. Adjust the CONTRAST control. 2. Confirm the input signal. 3. Confirm connector between power block and D board. 4. Inspect the power supply fuse. → If it has blown, change it. If it blows again, proceed to the next step. 5. Change the Power block. 6. Change the D board block. 7. Change the A board. 8. Change the U board. 9. Change the CRT.
• Display area too small/large/short/tall/ narrow/wide	1. Adjust the horizontal or vertical size. 2. Change the D board block.
• Horizontal distortion	1. Re-adjust using the service software. 2. Change the D board block.
• Vertical distortion	1. Re-adjust using the service software. 2. Change the D board block.
• Picture tilted	1. Make the tilt adjustment.
• Picture flickers	1. Check the fastening of the ground line. 2. Check the grounding of the connected computer. 3. Change the D board Block.
• Brightness can not be adjusted	1. Change the A board. 2. Change the H board.
• Contrast can not be adjusted	1. Change the A board. 2. Change the H board.
• Picture too bright/dark	1. Adjust the BRIGHTNESS control. 2. Adjust the white balance. 3. Adjust the CONTRAST and BRIGHT controls. 4. Change the A board. 5. Change the Power block. 6. Change the CRT.

For picture size, pictuer distortion, and other specifications, place the ball chart on the set and check and adjust.

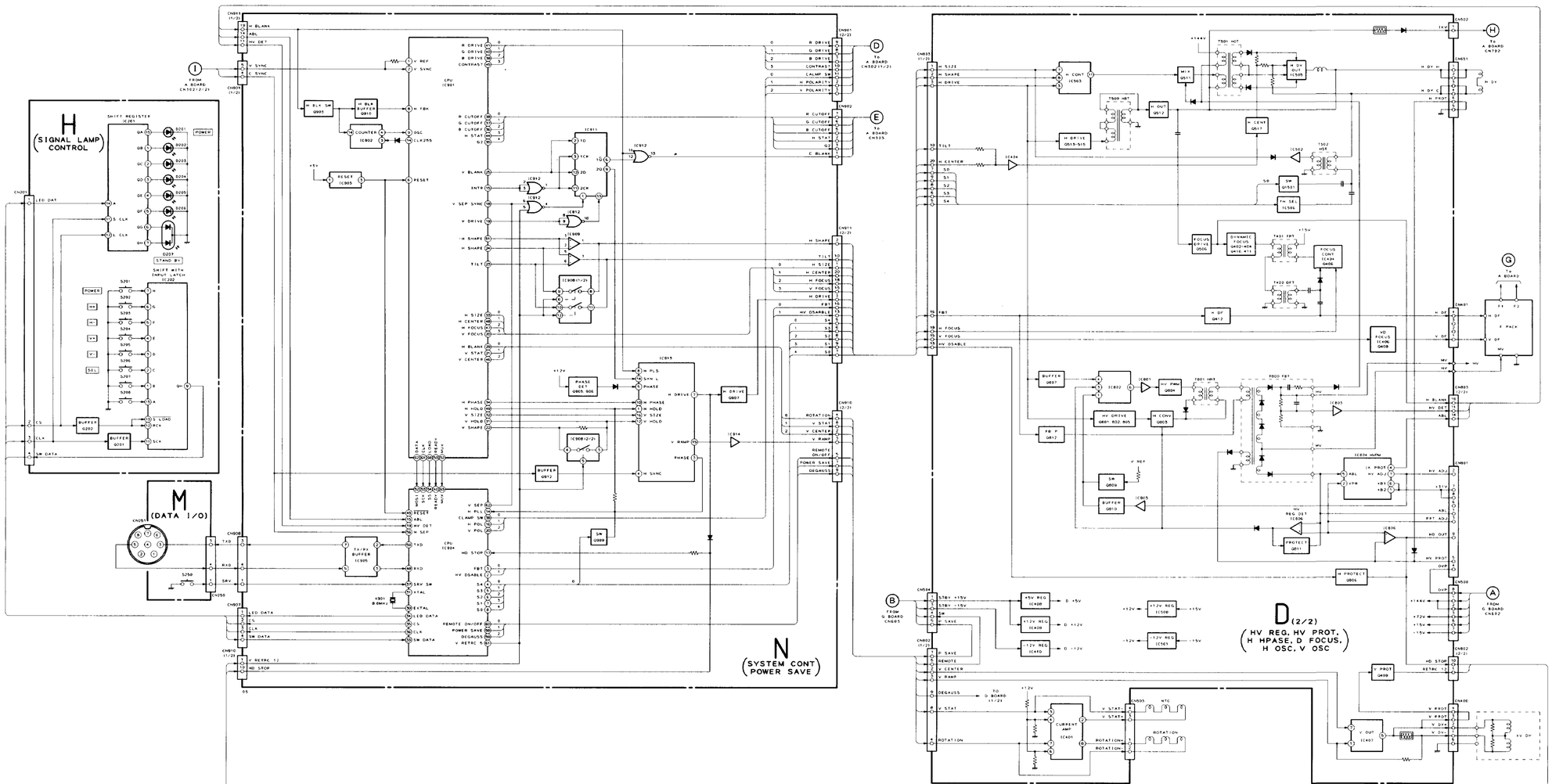
SECTION 5
DIAGRAMS

5-1. BLOCK DIAGRAMS

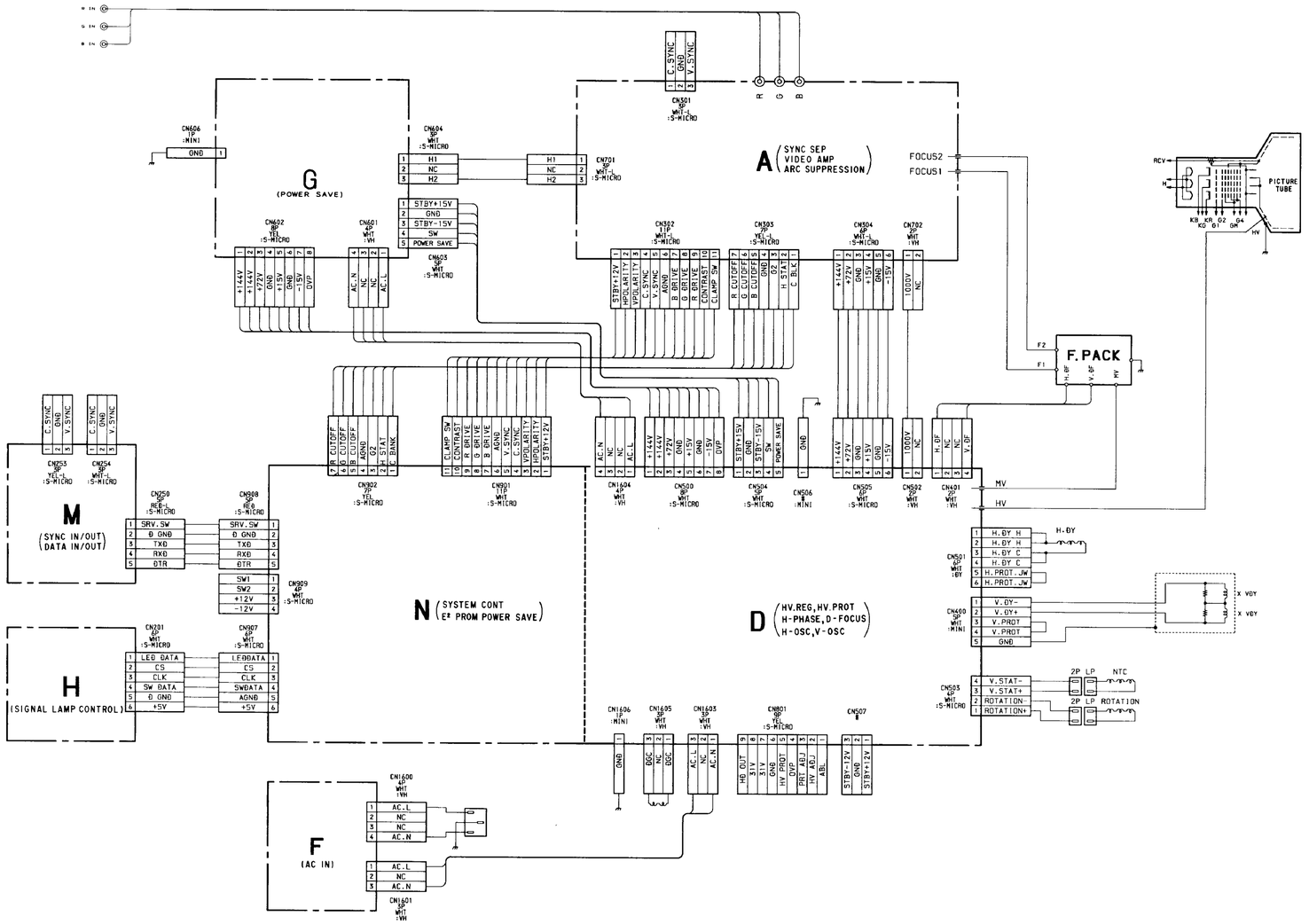




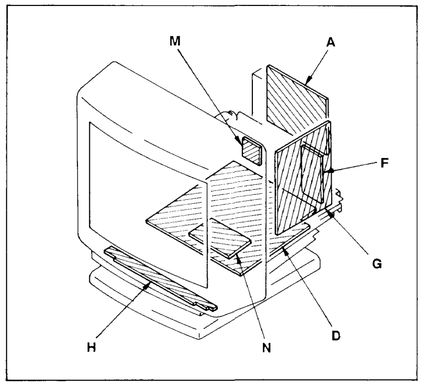
GDM-17SE1 GDM-17SE1



5-2. FRAME SCHEMATIC DIAGRAM



5-3. CIRCUIT BOARDS LOCATION



5-4. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50 WV or less are not indicated except for electrolytic.
- Indication of resistance, which does not have one for rating electrical power, is as follows.

  Pitch: 5 mm
  Rating electrical power 1/10 W (D and G board only 1/4 W)

- All resistors are in ohms.
- : nonflammable resistor.
- : fusible resistor.
- : internal component.
- : panel designation, and adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- : earth-ground.
- : earth-chassis.
- All voltages are in V.
- Readings are taken with a 10 MΩ digital multimeter.
- Readings are taken with a color-bar signal input.
- Voltage variations may be noted due to normal production tolerances.
- * : Can not be measured.
- Circled numbers are waveform references.
- : B + bus.
- : B - bus.

Reference information

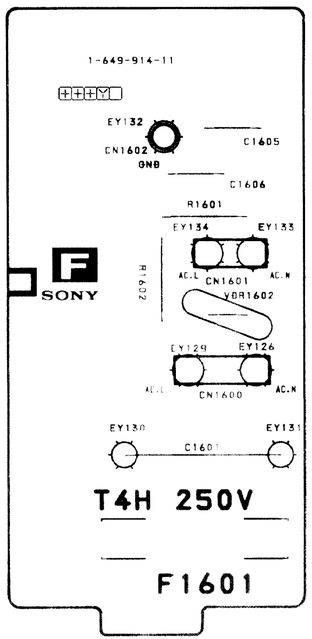
RESISTOR	: RN	METAL FILM
	: RC	SOLID
	: FPRD	NONFLAMMABLE CARBON
	: FUSE	NONFLAMMABLE FUSIBLE
	: RW	NONFLAMMABLE WIREWOUND
	: RS	NONFLAMMABLE METAL OXIDE
	: RB	NONFLAMMABLE CEMENT
COIL	: LF-8L	MICRO INDUCTOR
CAPACITOR	: TA	TANTALUM
	: PS	STYROL
	: PP	POLYPROPYLENE
	: PT	MYLAR
	: MPS	METALIZED POLYESTER
	: MPP	METALIZED POLYPROPYLENE
	: ALB	BIPOLAR
	: ALT	HIGH TEMPERATURE
	: ALR	HIGH RIPPLE

Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Note: Les composants identifiés par un tramé et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

F [AC IN]

– F Board –



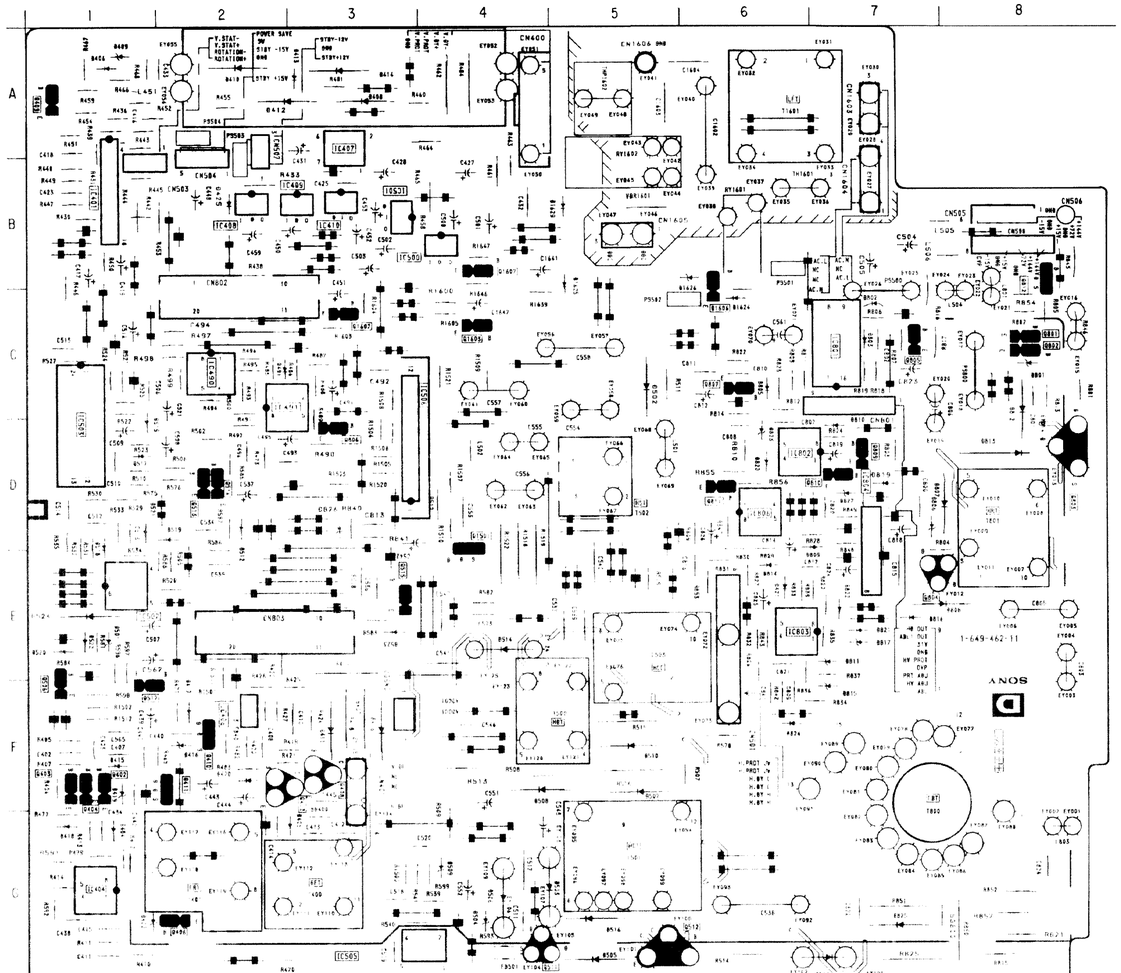
• D BOARD

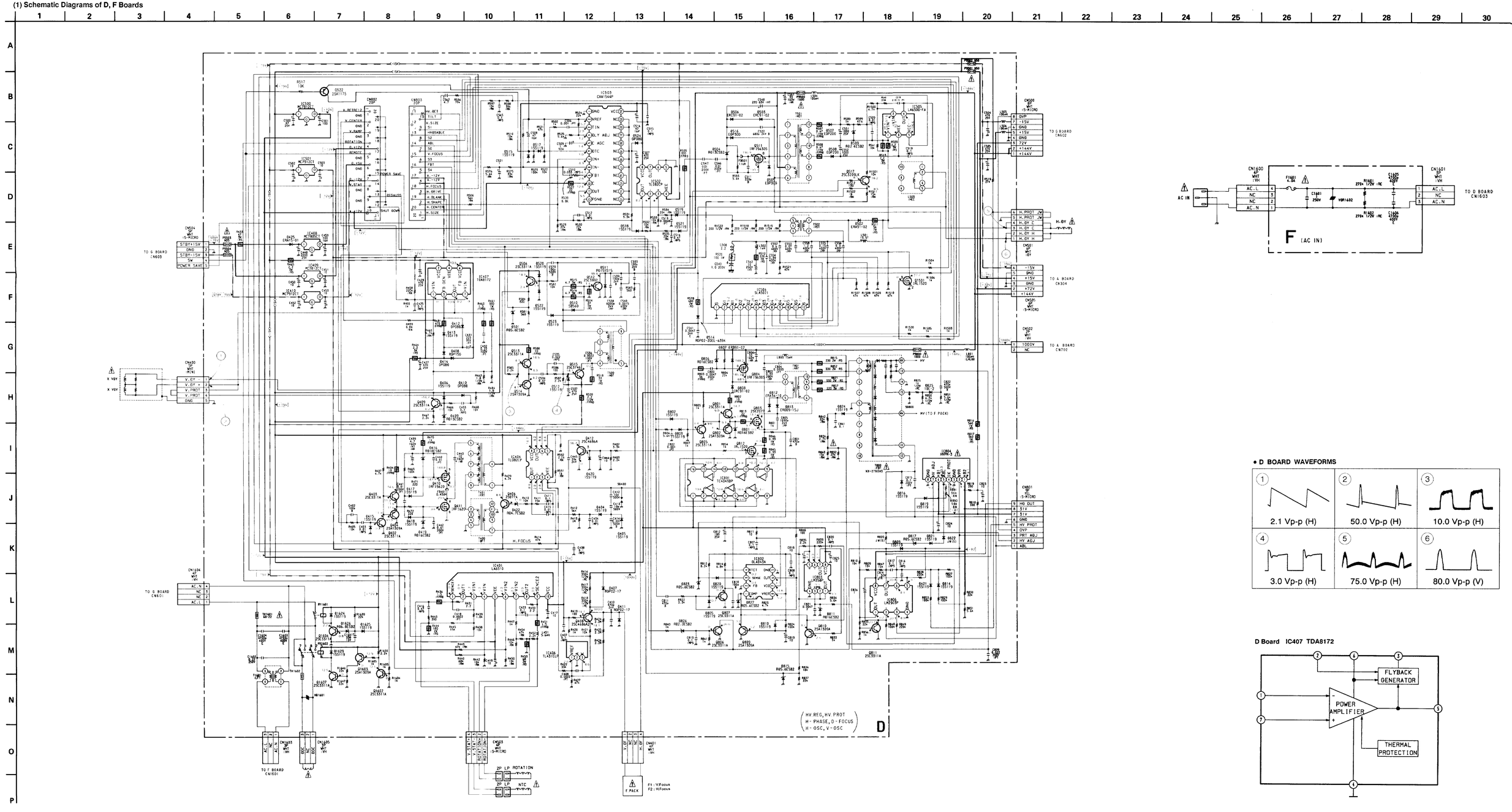
IC		DIODE		D813	D – 8
				D814	E – 6
IC401	B – 1	D404	G – 1	D815	F – 6
IC404	G – 1	D405	G – 2	D816	E – 7
IC406	F – 2	D406	A – 1	D817	E – 7
IC407	A – 3	D407	F – 3	D819	D – 7
IC408	B – 2	D408	A – 3	D820	D – 6
IC409	B – 3	D409	A – 1	D821	E – 7
IC410	B – 3	D410	A – 2	D823	D – 6
IC490	C – 2	D411	F – 3	D824	F – 6
IC491	C – 2	D412	A – 2	D825	G – 7
IC500	B – 4	D413	A – 3	D826	D – 3
IC501	B – 3	D414	A – 3	D827	D – 7
IC502	E – 1	D415	F – 1	D1624	C – 6
IC503	C – 1	D416	F – 2	D1625	B – 5
IC505	G – 3	D417	F – 2	D1626	B – 6
IC506	C – 3	D418	G – 1	D1629	B – 5
IC801	C – 7	D419	F – 1		
IC802	D – 6	D420	F – 2		
IC803	E – 6	D421	E – 6		
IC804	D – 7	D422	G – 1		
IC806	D – 6	D425	B – 2		
		D491	C – 2		
TRANSISTOR		D501	E – 1		
		D502	C – 5		
Q402	F – 1	D503	G – 4		
Q403	F – 1	D504	G – 4		
Q404	F – 1	D505	G – 5		
Q406	G – 2	D506	G – 4		
Q408	F – 3	D507	F – 5		
Q409	A – 1	D508	F – 4		
Q410	F – 2	D509	G 4		
Q411	F – 2	D510	F – 5		
Q412	F – 2	D511	G – 6		
Q506	F – 1	D512	D – 2		
Q511	G – 4	D514	E – 4		
Q512	G – 5	D515	D – 1		
Q513	D – 2	D516	G 5		
Q514	D – 2	D517	D – 1		
Q515	E – 3	D518	D – 1		
Q517	F – 1	D519	D – 2		
Q801	C – 8	D520	E – 1		
Q802	C – 8	D521	D – 1		
Q803	D – 8	D522	E – 1		
Q804	F – 7	D523	E – 3		
Q805	C – 7	D524	E – 1		
Q806	D – 3	D801	C – 8		
Q807	C – 6	D802	C – 7		
Q809	D – 7	D803	C – 7		
Q810	D – 7	D805	C – 6		
Q811	D – 6	D806	D – 7		
Q812	B – 8	D807	D – 8		
Q1501	D – 4	D808	E – 7		
Q1602	C – 3	D809	E – 6		
Q1603	C – 4	D810	D – 7		
Q1606	C – 6	D811	E – 6		
Q1607	B – 4	D812	D – 8		

GDM-17SE1

D [HV. REG, HV. PROT
H-PHASE, D-FOCUS
H-OSC, V-OSC]

– D Board –



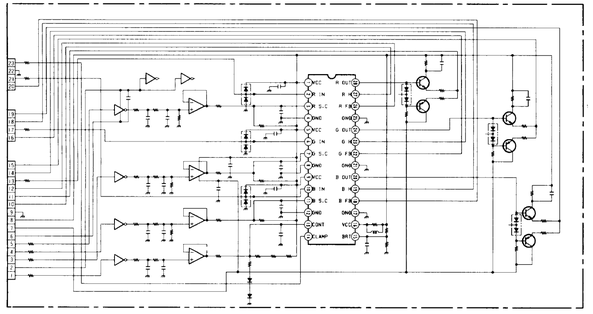


• D BOARD WAVEFORMS

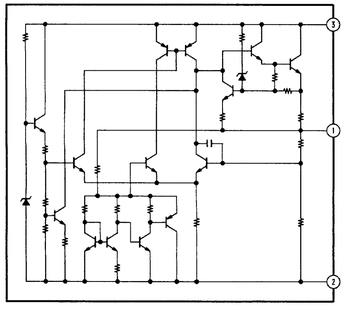
① 2.1 Vp-p (H)	② 50.0 Vp-p (H)	③ 10.0 Vp-p (H)
④ 3.0 Vp-p (H)	⑤ 75.0 Vp-p (H)	⑥ 80.0 Vp-p (V)

D Board IC407 TDA8172

A Board IC001 PRE-1

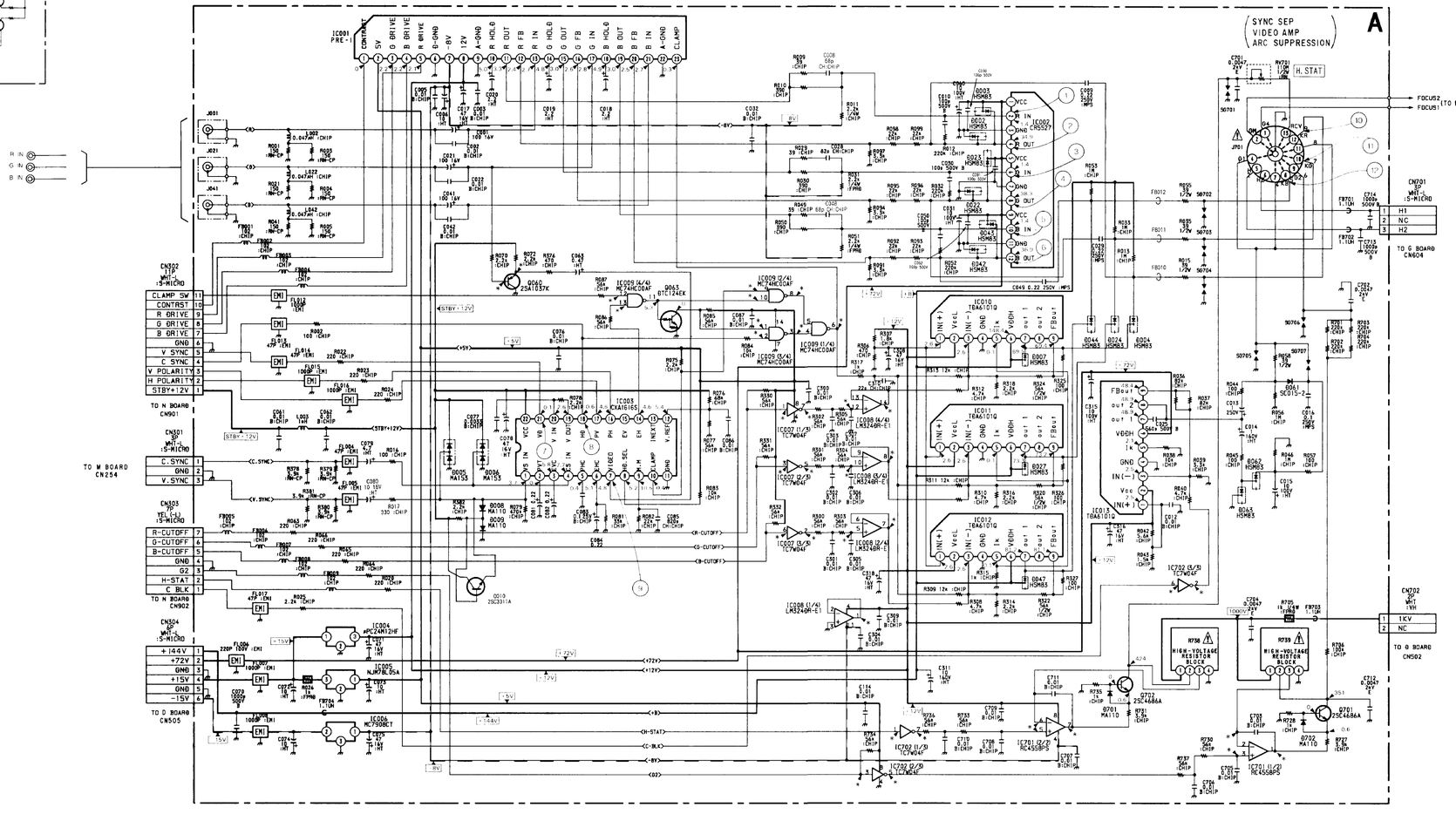


A Board IC005 NJM78L05A



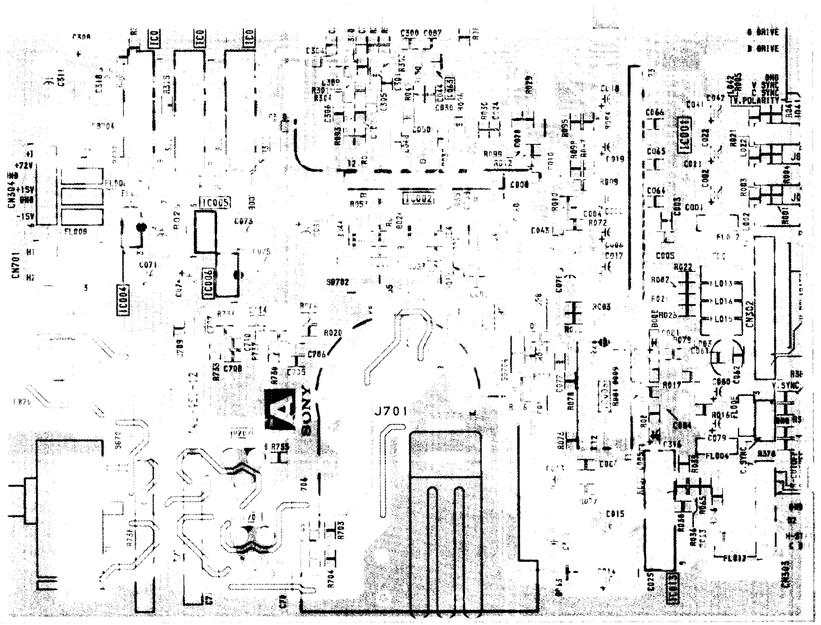
• A BOARD WAVEFORMS

① 1.0 Vp-p (H)	② 45.0 Vp-p (H)	③ 1.0 Vp-p (H)
④ 41.0 Vp-p (H)	⑤ 1.1 Vp-p (H)	⑥ 33.0 Vp-p (H)
⑦ 0.6 Vp-p (H)	⑧ 4.7 Vp-p (H)	⑨ 1.0 Vp-p (H)
⑩ 45.0 Vp-p (H)	⑪ 41.0 Vp-p (H)	⑫ 33.0 Vp-p (H)



A SYNC SEP
VIDEO AMP
ARC SUPPRESSION

A Board (Conductor Side)



• : Pattern of the rear side.

• A BOARD

IC

	(Conductor Side)		(Component Side)	
IC001	B	4	B	1
IC002	B	3	B	3
IC003	C	4		
IC004	B	1	B	4
IC005	B	2	B	4
IC006	B	2	B	4
IC007			A	3
IC008			A	3
IC009			A	3
IC010	A	2	A	4
IC011	A	2	A	4
IC012	A	1	A	4
IC013	C	4	C	1
IC701			B	4
IC702			B	4

TRANSISTOR

	(Conductor Side)		(Component Side)	
Q060			B	2
Q063	A	3		
Q701	C	2	C	4
Q702	C	2	C	4

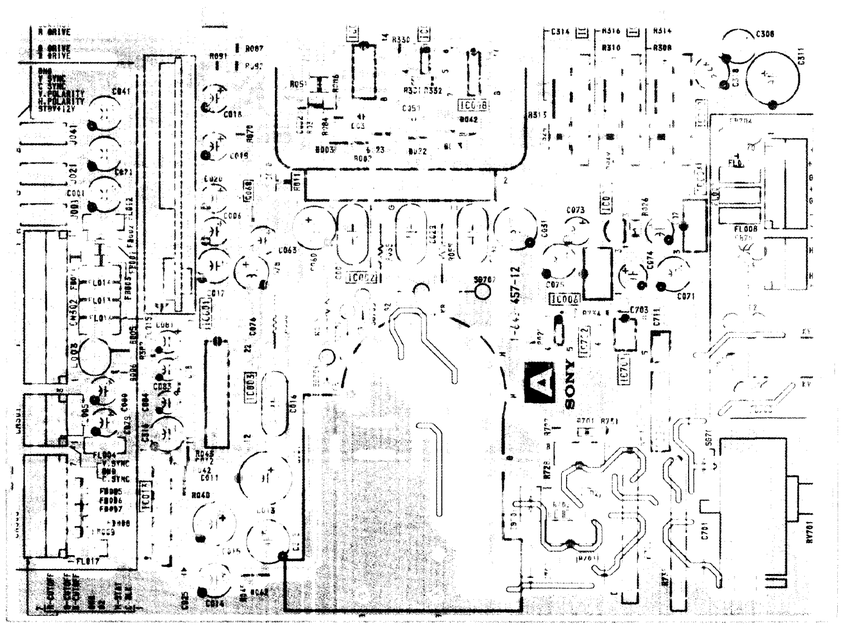
DIODE

	(Conductor Side)		(Component Side)	
D002			A	3
D003			A	2
D004	B	3		
D005			C	1
D006			C	1
D007	B	2		
D008	C	4		
D009	C	4		
D022			A	3
D023			A	3
D024	B	3		
D027	B	2		
D042			A	3
D043			A	3
D044	B	3		
D047	B	1		
D061	C	4		
D062			C	2
D063	C	4		
D701			C	4
D702			C	4

VARIABLE RESISTOR

	(Conductor Side)		(Component Side)	
RV701	C	1	C	5

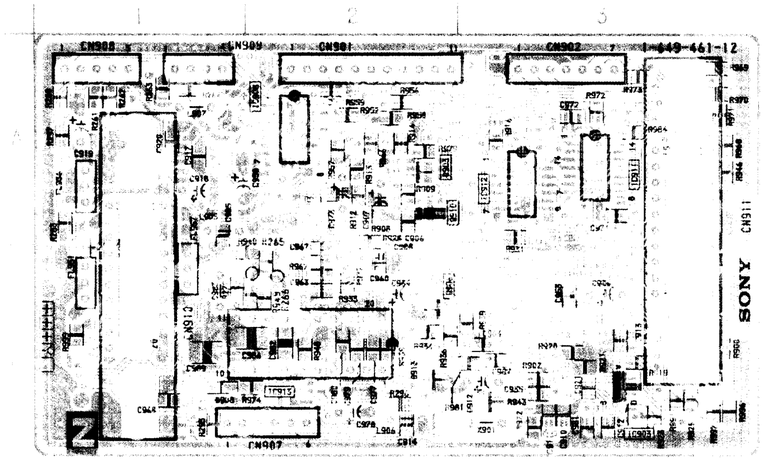
A Board (Component Side)



• : Pattern of the rear side.

N SYSTEM CONT E² PROM POWER SAVE

– N Board (Conductor Side) –



• : Pattern of the rear side.

• N BOARD

IC

	(Conductor Side)	(Component Side)
IC901		A - 1
IC902		A - 2
IC903	B - 3	
IC904		B - 1
IC905		A - 3
IC908	A - 2	
IC909		A - 3
IC911	A - 3	
IC912	A - 3	
IC913	B - 2	B - 2
IC914		B - 3

TRANSISTOR

	(Conductor Side)	(Component Side)
Q903	A - 2	
Q905		B - 2
Q906	B - 2	
Q907		B - 3
Q909		B - 2
Q910	A - 2	
Q912		B - 2

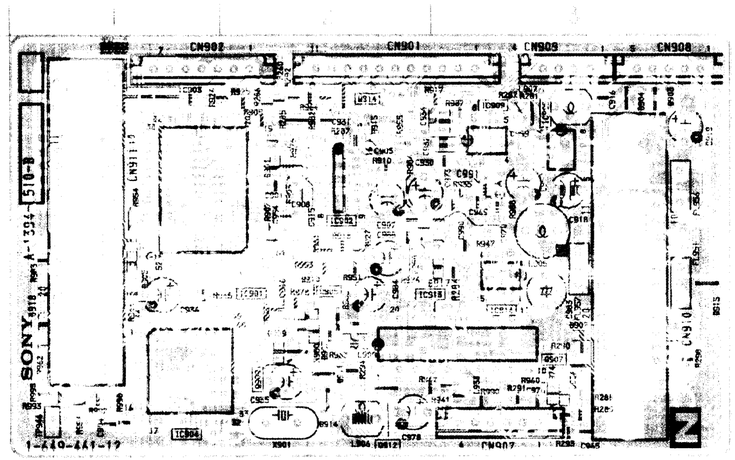
DIODE

	(Conductor Side)	(Component Side)
D901		A - 2
D902		B - 3
D903		A - 3
D904		A - 3
D905		B - 1
D906		B - 3
D907		B - 2
D908	B - 1	
D909		B - 2
D910		B - 2
D911		B - 2
D912	B - 3	
D913	B - 2	
D914		B - 2
D915		B - 3
D916		
D917		

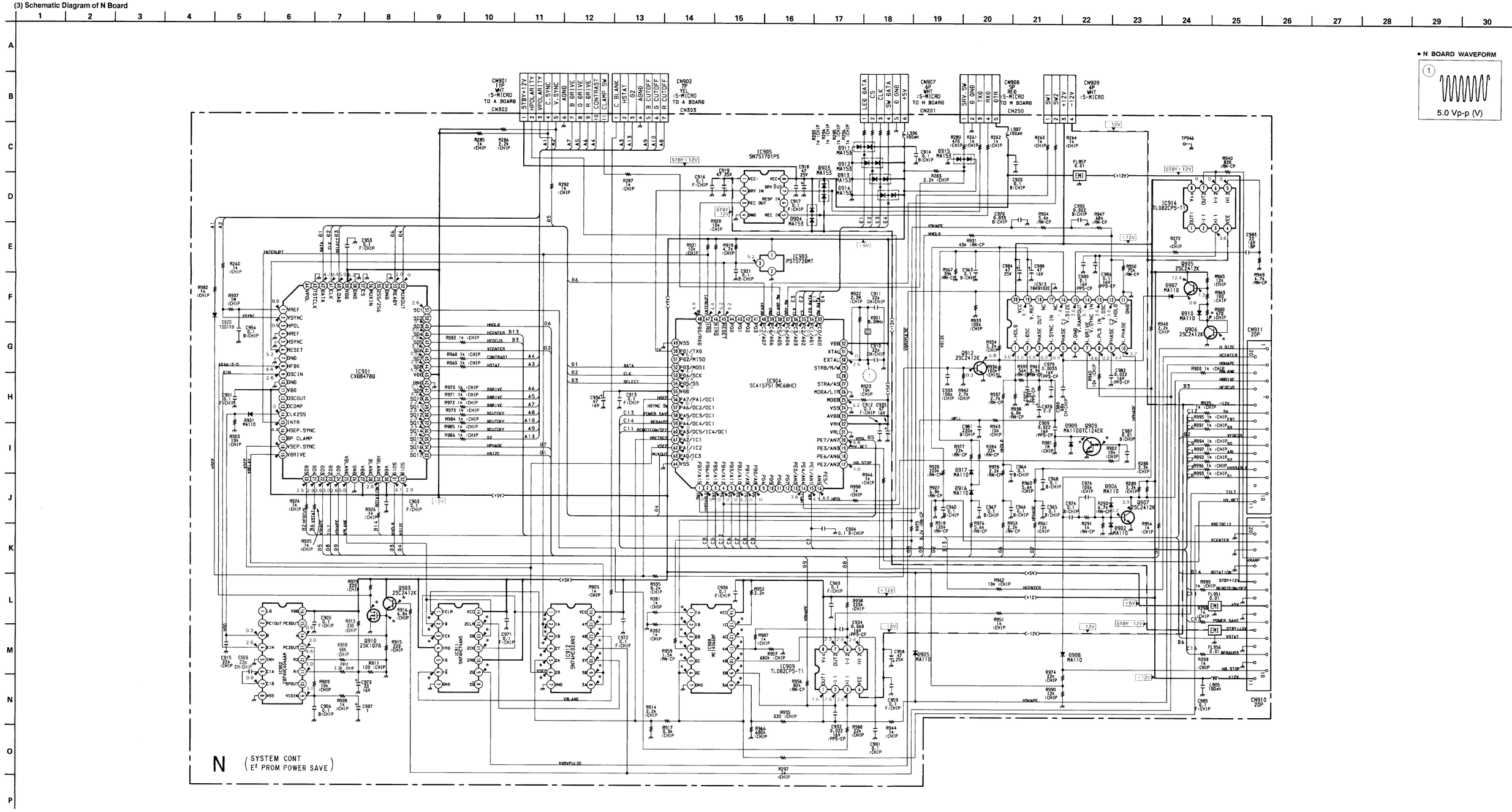
CRYSTAL

	(Conductor Side)	(Component Side)
X901	B - 3	B - 2

– N Board (Component Side) –

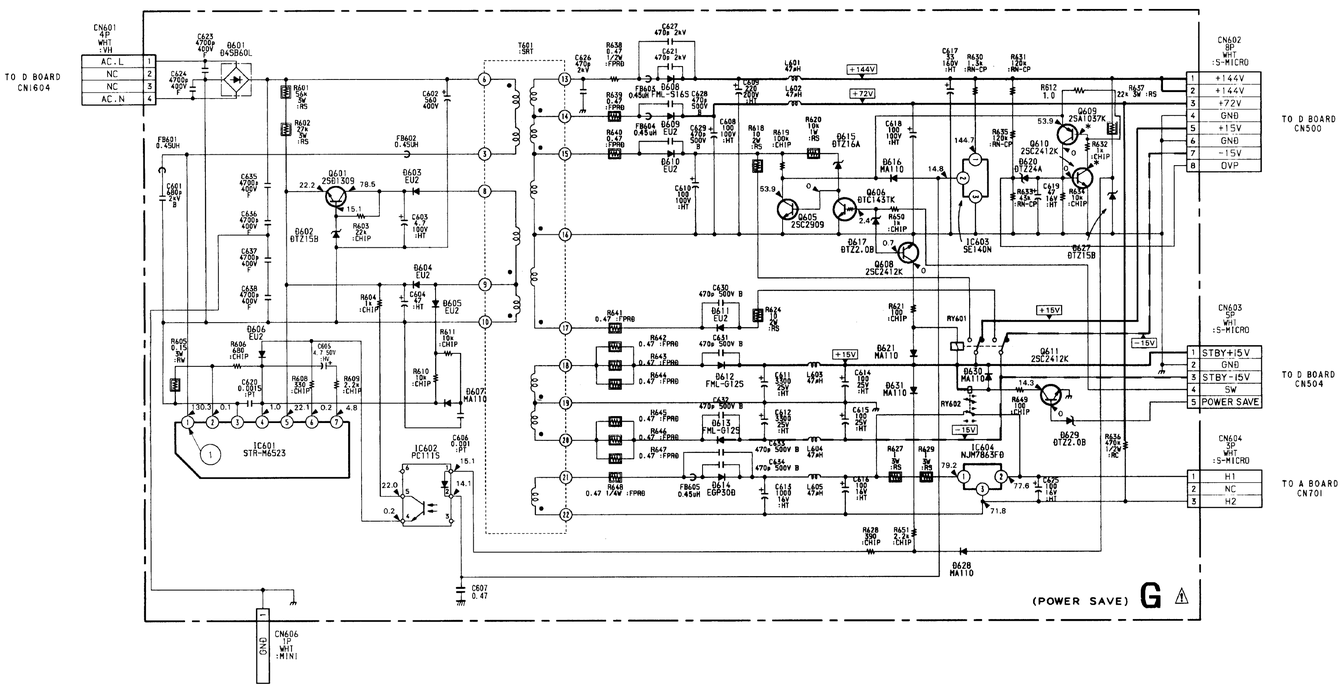


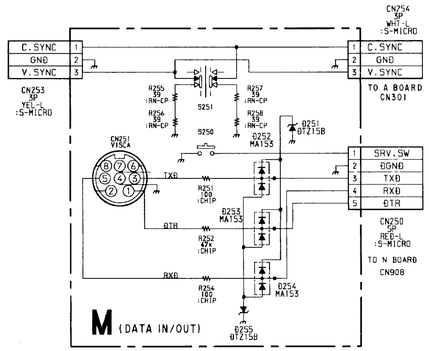
• : Pattern of the rear side.

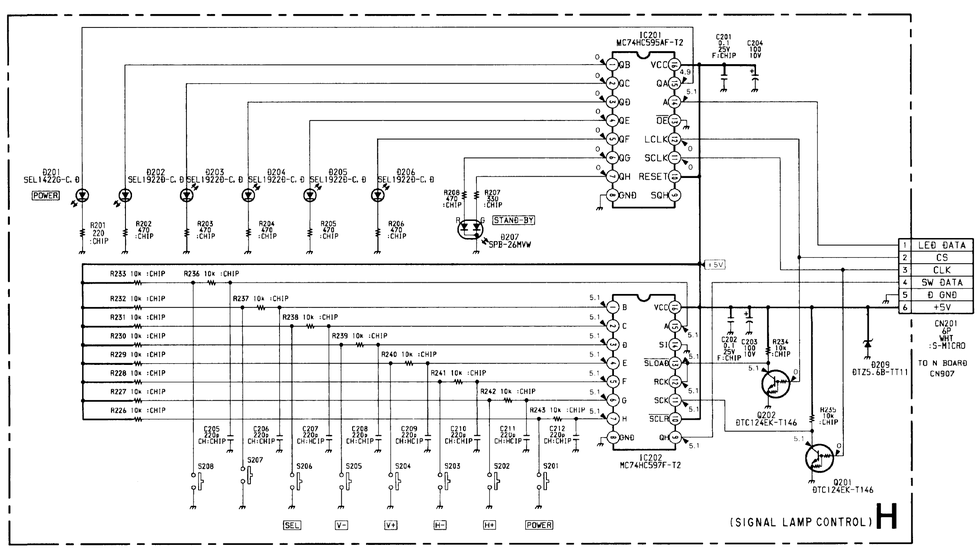

• N BOARD WAVEFORM
1
5.0 Vp-p (V)
N (SYSTEM CONT E² PROM POWER SAVE)
CN901 11P WHT :S-MICRO TO A BOARD
CN902 7P YEL :S-MICRO TO A BOARD
CN302
CN303
CN907 6P WHT :S-MICRO TO M BOARD
CN201
CN908 5P RED :S-MICRO TO M BOARD
CN250
CN909 6P WHT :S-MICRO
IC901 CXB6478Q
IC902 BA7042FM/AM
IC903 PST572BMT
IC904 SC415751MC68HC)
IC905 SN751701PS
IC906 SN74LS123NS
IC907 SN74LS123NS
IC908 MC14538BF
IC909 TL082CPS-T1
IC910 TL082CPS-T1
IC911 T0A9102C
IC912 TL082CPS-T1
IC913 TL082CPS-T1
IC914 TL082CPS-T1
Q901 MA110
Q902 MA110
Q903 MA110
Q904 MA155
Q905 2SC2412K
Q906 2SC2412K
Q907 2SC2412K
Q908 MA110
Q909 MA110DTC124EK
Q910 2SK1078
Q911 MA110
Q912 2SC2412K
Q913 MA110
Q914 MA155
Q915 MA155
Q916 MA110
Q917 MA110
Q918 MA110
STBY+12V
+12V
+5V
-12V
-5V
VSYNC
HSYNC
HPOL
VPOL
HBLANK
VBLANK
HFBK
VSEP
VDRIVE
HDRIVE
VCENTER
HCENTER
CONTRAST
HSTAT
VSTAT
HSIZE
VSIZE
TILT
ROTATION
POWER SAVE
REMOTE ON/OFF
HD STOP
VD STOP
EMI

• G BOARD WAVEFORM

① 0.015 Vp-p (V)

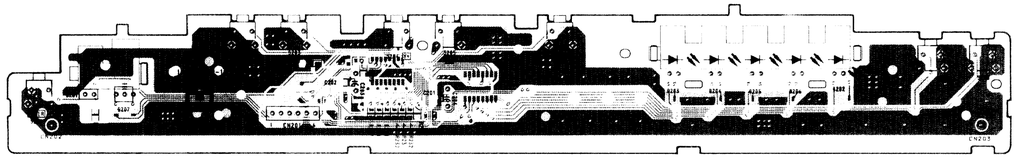




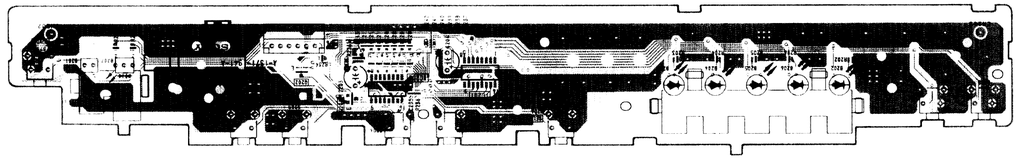


H [SIGNAL LAMP CONTROL] M [DATA IN/OUT]

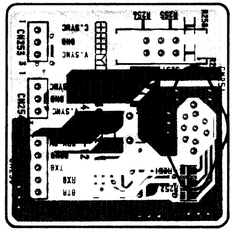
– H Board (Conductor Side) –



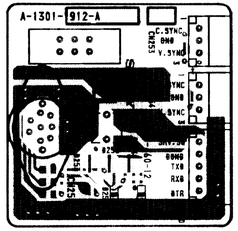
– H Board (Component Side) –



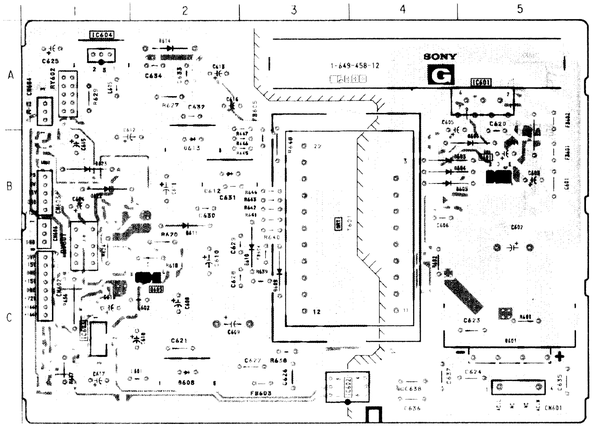
– M Board (Conductor Side) –



– M Board (Component Side) –



– G Board (Conductor Side) –



• : Pattern of the rear side.

G [POWER SAVE]

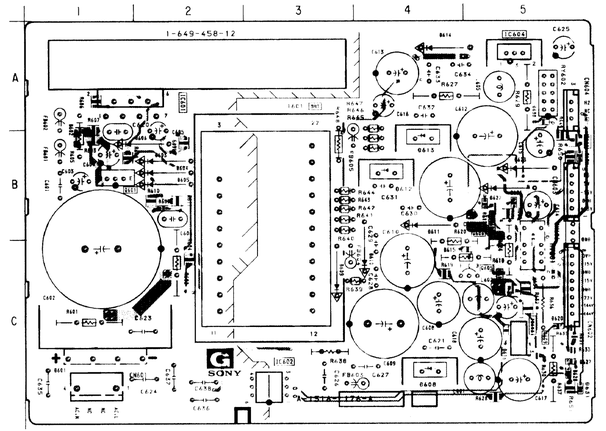
• G BOARD

	IC	
	(Conductor Side)	(Component Side)
IC601	A – 5	A – 1
IC602	C – 3	C – 3
IC603	C – 1	C – 5
IC604	A – 1	A – 5

	TRANSISTOR	
	(Conductor Side)	(Component Side)
Q601	B – 5	B – 1
Q605	C – 2	C – 5
Q606		C – 5
Q608		B – 5
Q609		C – 5
Q610		C – 5
Q611		B – 5

	DIODE	
	(Conductor Side)	(Component Side)
D601	C – 5	C – 1
D602		A – 1
D603	B – 4	B – 2
D604	B – 4	B – 2
D605	B – 4	B – 2
D606	B – 5	B – 1
D607		B – 2
D608	C – 2	C – 4
D609	C – 3	C – 3
D610	C – 3	C – 4
D611	B – 2	B – 4
D612	B – 2	B – 4
D613	B – 2	B – 4
D614	A – 2	A – 4
D615		C – 5
D616		C – 5
D617		B – 5
D620		C – 5
D621		B – 5
D627		C – 5
D628		C – 5
D629		B – 5
D630		A – 5
D631		C – 5

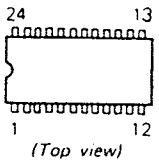
– G Board (Component Side) –



• : Pattern of the rear side.

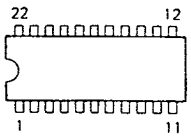
5-5. SEMICONDUCTORS

CXA1544P



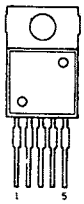
(Top view)

CXA1616S

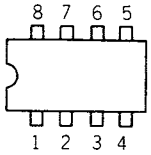


(Top view)

LA6500-FA

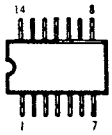


LM358P
LM2903DQ
LM2903P
SN751701PS-ELL2000
TL082ACP
TL082CP
μPC358C



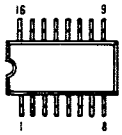
(Top view)

MC14066BF
MC74HC00AF
SN74HC02ANS



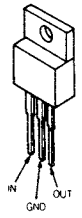
(TOP VIEW)

MC74HC595AF
MC74HC597F-T2

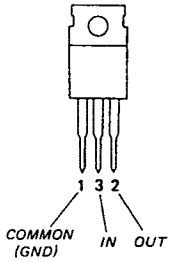


(TOP VIEW)

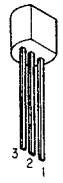
MC7805CT
M5F78M05L



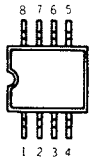
MC7908CT
MC7912CT
NJM79M08FA



NJM78L05A

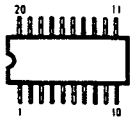


RC4558PS
TL082CPS
TL082M



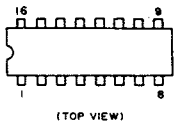
(TOP VIEW)

SN74HC74ANS



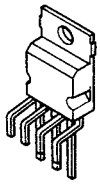
(TOP VIEW)

TC4049BP

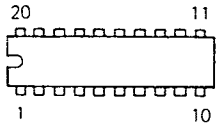


(TOP VIEW)

TDA8172

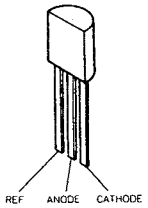


TDA9102C

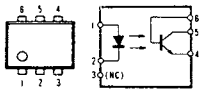


(Top view)

TL431CLP



PC111LS



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DTC143TK
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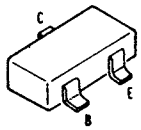
2SC2412K-QR



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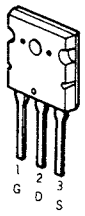

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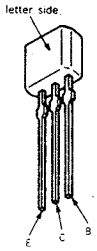
2SA1309A
2SC2785-HFE
2SC3311A



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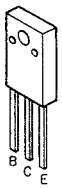

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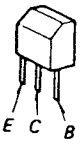

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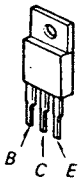

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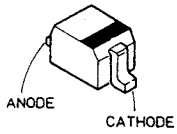
MA110



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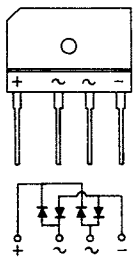

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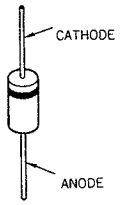
ERA34-10
ERB91-02
EU-2
GP08D
HSM83
RGP15G
1SS83
10E2



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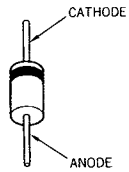
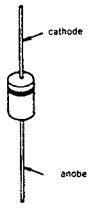
RGP02-17PKG23



ERC91-02
RGP02-20EL-6394



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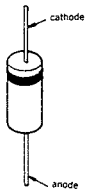
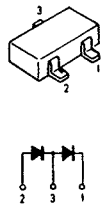


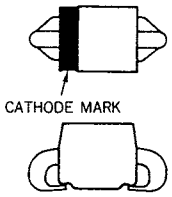
FR

1)
2)
3)
4)
5)
6)
7)
8)
9)
10)

MA153
1SS226



SC015-2



SEL1422G-C
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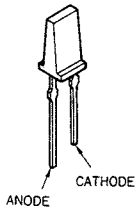
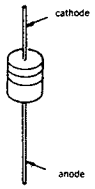


RD13ES-B2
RD16ES-B3
RD18ES-B2
RD2.0ES-B2
RD2.4ES-B2
RD4.7ES-B2
RD5.1ES-B2
RD5.6ES-B2
RD6.8ES-B2
1SS119



FRU LIST

1)	VIDEO AMP, MCB ASSY	8-934-583-00	
2)	DEFLECTION MCB ASSY	8-934-584-00	
3)	POWER BLOCK (G)	8-934-585-00	
4)	CONTROL PANEL ASSY (H)	8-934-586-00	
5)	MICON MCB (N)	8-934-702-00 (FOR U/C)	
		8-934-707-00 (FOR AEP)	
6)	CONNECTOR PANEL ASSY (M)	8-934-693-00	
7)	MAIN HARNESS	1-900-048-39	
8)	SUB HARNESS	1-900-048-40	
9)	CABLE ASSY	A-1500-655-A	
10)	FOCUS VR PACK	1-223-417-11	
11)	ITC ASSY (CRT, DY, NA)	8-738-588-90	
12)	BEZEL ASSY	X-4031-568-1	
13)	CABINET ASSY	4-042-274-01	
14)	STAND ASSY	A-1481-708-A	
15)	EMI SHIELD	4-041-660-01	
16)	AC LINE CORD	1-534-827-14 (FOR U/C)	
		1-690-649-11 (FOR AEP)	
17)	PROTECTION BAG	4-384-356-01	
18)	CUSHION UPPER	4-041-793-01	
19)	CUSHION LOWER	4-041-794-01	
20)	CARTON	4-042-631-01	
21)	STAND PAD	4-041-795-01	

SECTION 6
EXPLODED VIEWS

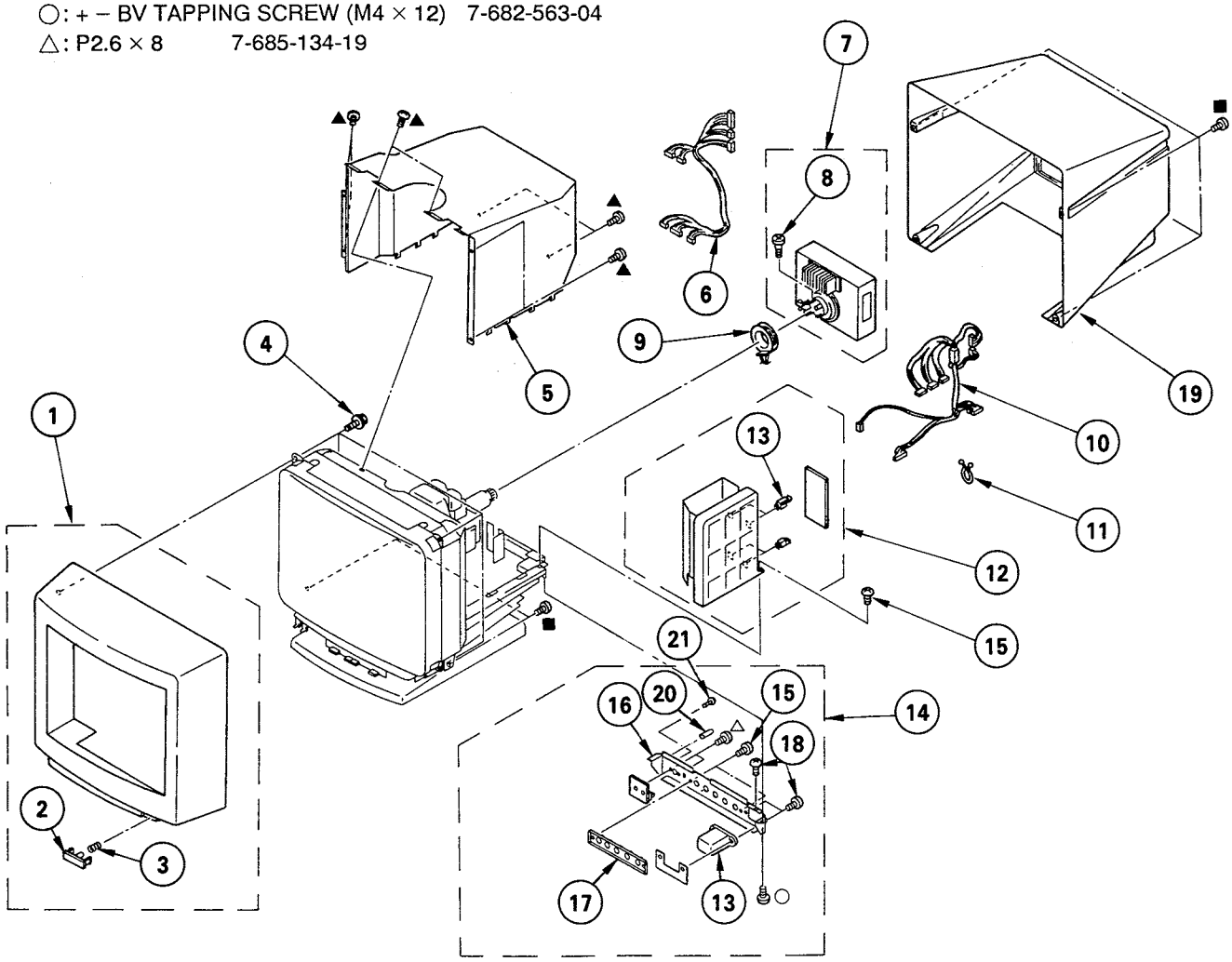
NOTE:
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked " ★ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite.
Ne les remplacer que par une piece portant le numero specifie.

6-1. CHASSIS

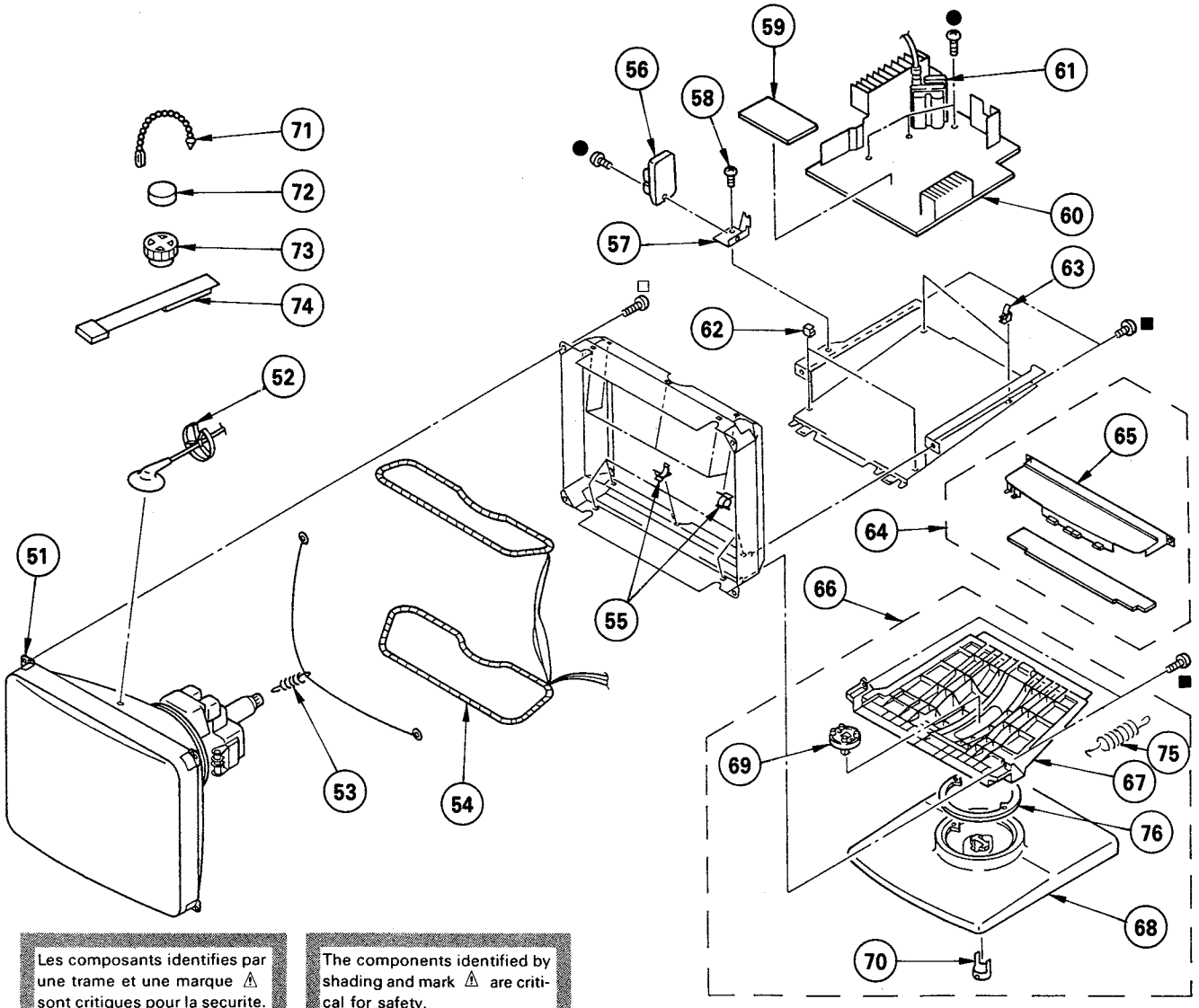
▲: + – BV TAPPING SCREW (M3 × 8) 7-682-548-04
■: BVTP4 × 16 7-685-663-79
○: + – BV TAPPING SCREW (M4 × 12) 7-682-563-04
△: P2.6 × 8 7-685-134-19



REF.NO.	PART NO.	DESCRIPTION	REMARK
1	X-4031-568-1	BEZEL ASSY	2,3
2	4-042-674-01	BUTTON, POWER	
3	3-571-801-01	SPRING, COMPRESSION	
4	4-365-808-01	SCREW (5), TAPPING	
5	4-041-660-01	SHIELD, EMI	
6	1-900-048-39	CONNECTOR ASSY, MICRO 11P(MAIN HARNESS)	
7	8-934-583-00	VIDEO AMP.MCB (A)	8
8	4-041-627-01	SCREW (M4X20), HEXAGON HEAD	
9	⚠.1-452-699-11	NECK ASSEMBLY, CRT (NA-3010)	
10	1-900-048-40	CONNECTOR ASSY, MICRO 8P (SUB HARNESS)	
11	3-701-417-00	PURSE LOCK (11 DIA.)	
12	⚠.8-9345-850-0	POWER BLOCK (G)	
13	⚠.1-251-141-11	INLET, AC (3P)	
14	8-9346-930-0	PANEL ASSY, CONNECTOR	
15	4-389-025-01	SCREW (M4X8)(EXT TOOTH WASHER)	
16	*4-041-916-01	PANEL (STD), CONNECTOR	
17	1-537-583-11	TERMINAL BOARD ASSY, I/O	
18	4-381-960-31	SCREW (M3X12),TAPPING,(+-)(BV)	
19	4-042-274-01	CABINET	
20	4-038-522-01	CAP (VISCA)	
21	4-043-000-01	PLUG	

6-2. PICTURE TUBE

●: + – BV TAPPING SCREW (3 × 12) 7-685-648-79
■: BVTP4 × 16 7-685-663-79
□: + – BV TAPPING SCREW (M4 × 8) 7-682-561-04

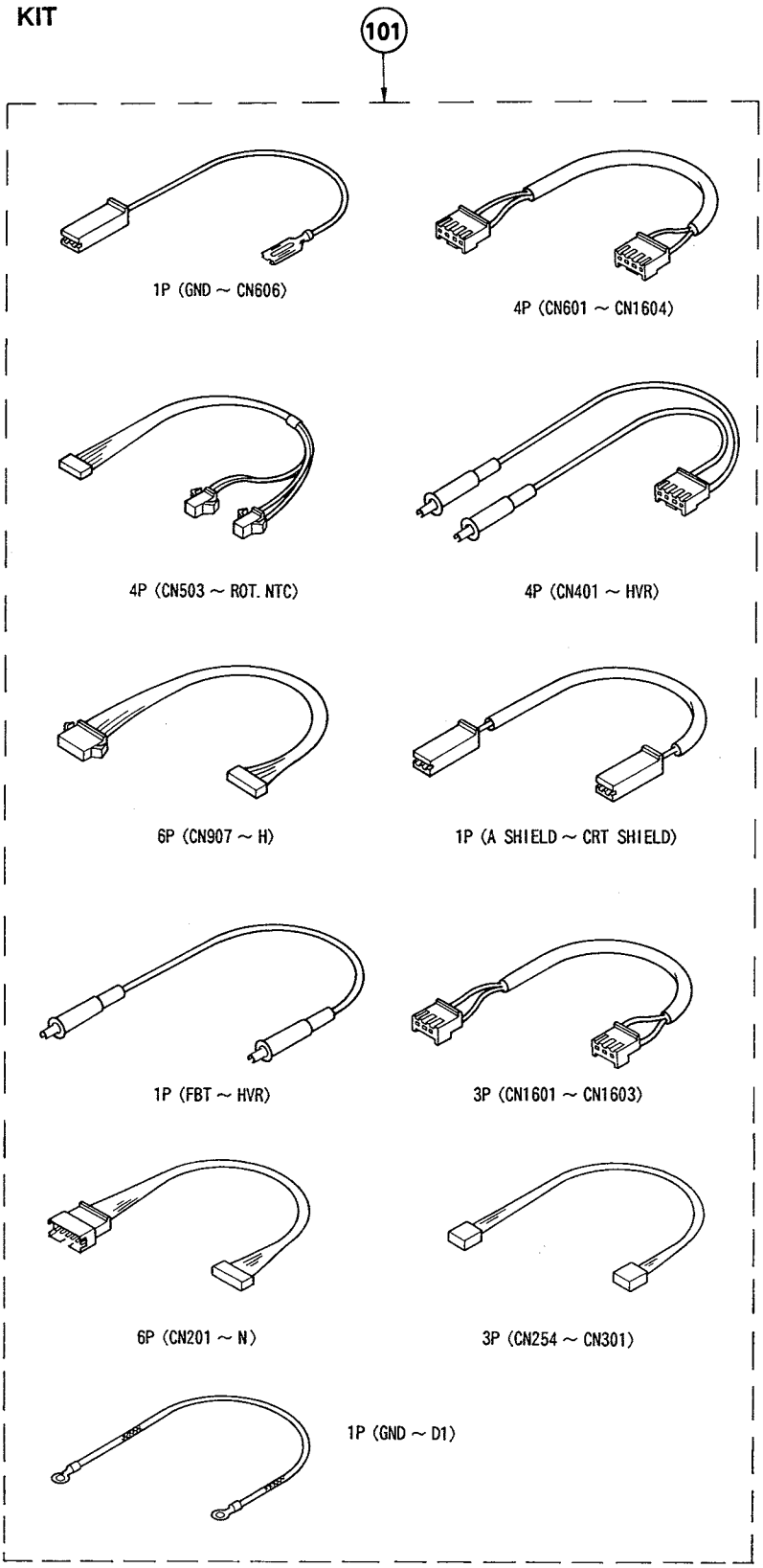


Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

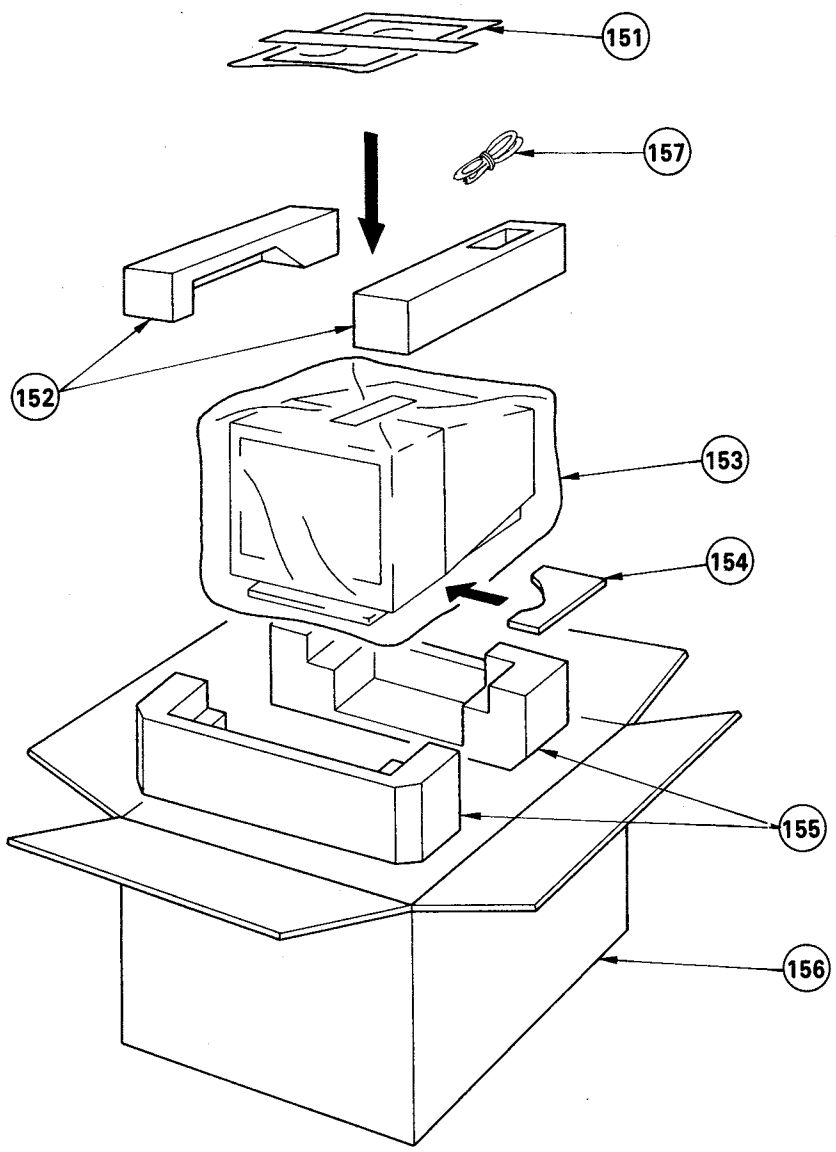
REF.NO.	PART NO.	DESCRIPTION	REMARK
51	⚠.8-738-588-90	ITC ASSY	9
52	*3-704-372-01	HOLDER, HV CABLE	
53	4-043-278-01	SPRING, TENSION	
54	⚠.1-406-950-11	COIL, DEGAUSSING	
55	*4-395-824-01	HOLDER, DEGAUSSING COIL	
56	⚠.1-223-417-11	RESISTOR ASSY (HIGH-VOLTAGE)	
57	4-042-036-01	BRACKET, FOCUS	
58	4-389-025-01	SCREW (M4X8)(EXT TOOTH WASHER)	
59	8-934-702-00	MICON MCB (N) (FOR U/C)	
	8-934-707-00	MICON MCB (N) (FOR AEP)	
60	8-934-584-00	DEFLECTION MCB (D)	
61	⚠.1-453-155-11	TRANSFORMER ASSY, FLYBACK (NX-2780A5)	
62	*3-701-903-11	HOLDER, PC BOARD	
63	*3-703-141-00	HOLDER, PCB	
64	8-9345-860-0	FRONT BLOCK ASSY	65
65	X-4031-446-1	BOX ASSY, CONTROL	
66	A-1481-708-A	STAND BLOCK ASSY	67~70,75,76
67	4-041-918-31	COVER, BOTTOM	
68	X-4031-449-1	BASE ASSY, STAND	
69	4-041-623-01	STOPPER (A)	
70	4-041-621-01	STOPPER (B)	
71	4-308-870-00	CLIP, LEAD WIRE	
72	1-452-032-00	MAGNET, DISK; 10MMφ	
73	1-452-094-00	MAGNET, ROTATABLE DISK; 15MMφ	
74	X-4030-584-1	PERMALLOY ASSY, CORRECTION	
75	4-039-957-01	SPRING, TENSION	
76	4-041-625-01	RING, TILT SWIVEL	

6-3. KIT


101
1P (GND ~ CN606)
4P (CN601 ~ CN1604)
4P (CN503 ~ ROT. NTC)
4P (CN401 ~ HVR)
6P (CN907 ~ H)
1P (A SHIELD ~ CRT SHIELD)
1P (FBT ~ HVR)
3P (CN1601 ~ CN1603)
6P (CN201 ~ N)
3P (CN254 ~ CN301)
1P (GND ~ D1)

REF.NO.	PART NO.	DESCRIPTION	REMARK
101	A-1500-655-A	CABLE ASSEMBLY	

6-4. ACCESSORIES AND PACKING MATERIALS



REF.NO.	PART NO.	DESCRIPTION	REMARK
151	*3-758-020-11	MANUAL, INSTRUCTION	
152	*4-041-793-01	CUSHION (UPPER) (ASSY)	
153	4-384-356-01	BAG, PROTECTION	
154	*4-041-795-01	PAD, TILT FIXED	
155	*4-041-794-01	CUSHION (LOWER) (ASSY)	
156	*4-042-631-01	INDIVIDUAL CARTON	
157	⚠1-534-827-14	CORD, POWER (7.0A/125V) (FOR U/C)	
	⚠1-690-649-11	CORD SET, POWER (10.0A/250V) (FOR AEP)	

SECTION 7
ELECTRICAL PARTS LIST

F A

NOTE:

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite.
Ne les remplacer que par une piece portant le numero specifie.

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

RESISTORS
- All resistors are in ohms
- F : nonflammable

When indicating parts by reference number, please include the board name.

CAPACITORS
- MF : μF, PF : μμF

COILS
- MMH : mH, UH : μH

REF.NO.	PART NO.	DESCRIPTION			REMARK
		F BOARD, COMPLETE			
		**********			
	1-533-250-11	HOLDER, FUSE			
		<CAPACITOR>			
C1601⚠	1-107-533-51	FILM	1MF	20%	250V
C1605⚠	1-162-578-51	CERAMIC	0.0047MF	20%	400V
C1606⚠	1-162-578-51	CERAMIC	0.0047MF	20%	400V
		<CONNECTOR>			
CN1600*	1-580-689-11	PIN, CONNECTOR (PC BOARD) 4P			
CN1601	1-691-960-11	PIN, CONNECTOR (PC BOARD) 3P			
		<FUSE>			
F1601⚠	1-576-233-11	FUSE (H.B.C.) (6.3A/250V)			
		<RESISTOR>			
R1601⚠	1-202-879-91	SOLID	270K	20% 1/2W	
R1602⚠	1-202-879-91	SOLID	270K	20% 1/2W	
		<VARISTOR>			
⚠VDR160.	1-807-180-31	VARISTOR ZNR-14DK471U			
		**********			
	8-934-583-00	VIDEO AMP.MCB (A)			
		**********			
	4-382-854-11	SCREW (M3X10), P, SW (+)			
		<CAPACITOR>			
C001	1-126-101-11	ELECT	100MF	20%	16V
C002	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C003	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C005	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C006	1-124-667-11	ELECT	10MF	20%	50V
C008	1-163-113-00	CERAMIC CHIP	68PF	5%	50V
C009	1-136-191-11	FILM	0.22MF	10%	250V
C010	1-162-117-00	CERAMIC	100PF	10%	500V
C012	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C013	1-124-634-11	ELECT	1MF	20%	250V
C014	1-124-798-11	ELECT	1MF	20%	160V
C015	1-124-667-11	ELECT	10MF	20%	100V
C016	1-136-189-00	FILM	0.1MF	10%	250V
C017	1-126-803-11	ELECT	47MF	20%	16V
C018	1-126-387-11	ELECT	2.2MF	20%	50V
C019	1-126-387-11	ELECT	2.2MF	20%	50V
C020	1-126-387-11	ELECT	2.2MF	20%	50V
C021	1-126-101-11	ELECT	100MF	20%	16V
C022	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C025	1-102-157-00	CERAMIC	560PF	10%	500V
C028	1-163-114-00	CERAMIC CHIP	75PF	5%	50V
C029	1-136-191-11	FILM	0.22MF	10%	250V
C030	1-162-117-00	CERAMIC	100PF	10%	500V
C031	1-124-667-11	ELECT	10MF	20%	100V
C032	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C041	1-126-101-11	ELECT	100MF	20%	16V
C042	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C048	1-163-113-00	CERAMIC CHIP	68PF	5%	50V
C049	1-136-191-11	FILM	0.22MF	10%	250V
C050	1-162-117-00	CERAMIC	100PF	10%	500V
C060	1-124-667-11	ELECT	10MF	20%	100V
C061	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C062	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C063	1-124-042-51	ELECT	0.47MF	20%	50V
C067	1-126-803-11	ELECT	47MF	20%	16V
C070	1-162-318-11	CERAMIC	0.001MF	10%	500V
C071	1-126-803-11	ELECT	47MF	20%	16V
C072	1-124-667-11	ELECT	10MF	20%	50V
C073	1-124-667-11	ELECT	10MF	20%	50V
C074	1-124-667-11	ELECT	10MF	20%	50V
C075	1-126-803-11	ELECT	47MF	20%	16V
C076	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C077	1-164-182-11	CERAMIC CHIP	0.0033MF	10%	50V
C078	1-126-803-11	ELECT	47MF	20%	16V
C079	1-126-163-11	ELECT	4.7MF	20%	50V
C080	1-126-320-11	ELECT	10MF	20%	16V
C081	1-124-464-11	ELECT	0.22MF	20%	50V
C082	1-124-464-11	ELECT	0.22MF	20%	50V
C083	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C084	1-124-464-11	ELECT	0.22MF	20%	50V
C085	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C086	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C087	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C090	1-164-162-11	CERAMIC CHIP	100PF	5%	100V
C091	1-164-162-11	CERAMIC CHIP	100PF	5%	100V
C092	1-164-162-11	CERAMIC CHIP	100PF	5%	100V
C114	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C300	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C301	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C302	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C303	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C304	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C305	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C306	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C307	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

A

REF.NO.	PART NO.	DESCRIPTION			REMARK
C308	1-126-803-11	ELECT	47MF	20%	16V
C309	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C310	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C311	1-124-046-00	ELECT	10MF	20%	160V
C315	1-124-667-11	ELECT	10MF	20%	100V
C316	1-126-803-11	ELECT	47MF	20%	16V
C318	1-126-803-11	ELECT	47MF	20%	16V
C701	1-162-114-00	CERAMIC	0.0047MF		2KV
C702	1-162-114-00	CERAMIC	0.0047MF		2KV
C703	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C704	1-162-114-00	CERAMIC	0.0047MF		2KV
C705	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C706	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C707	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C708	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C709	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C710	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C711	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C712	1-162-114-00	CERAMIC	0.0047MF		2KV
C713	1-162-318-11	CERAMIC	0.001MF	10%	500V
C714	1-162-318-11	CERAMIC	0.001MF	10%	500V

<CONNECTOR>

CN301	*1-564-518-11	PLUG, CONNECTOR 3P
CN302	*1-564-526-11	PLUG, CONNECTOR 11P
CN303	*1-564-522-11	PLUG, CONNECTOR 7P
CN304	*1-564-521-11	PLUG, CONNECTOR 6P
CN701	*1-564-518-11	PLUG, CONNECTOR 3P
CN702	1-691-756-11	PIN, CONNECTOR (PC BOARD) 2P

<DIODE>

D002	8-719-901-83	DIODE 1SS83
D003	8-719-901-83	DIODE 1SS83
D004	8-719-901-83	DIODE 1SS83
D005	8-719-800-76	DIODE 1SS226
D006	8-719-800-76	DIODE 1SS226
D007	8-719-901-83	DIODE 1SS83
D008	8-719-404-46	DIODE MA110
D009	8-719-404-46	DIODE MA110
D022	8-719-901-83	DIODE 1SS83
D023	8-719-901-83	DIODE 1SS83
D024	8-719-901-83	DIODE 1SS83
D027	8-719-901-83	DIODE 1SS83
D042	8-719-901-83	DIODE 1SS83
D043	8-719-901-83	DIODE 1SS83
D044	8-719-901-83	DIODE 1SS83
D047	8-719-901-83	DIODE 1SS83
D061	8-719-018-47	DIODE SC015-2
D062	8-719-901-83	DIODE 1SS83
D063	8-719-901-83	DIODE 1SS83
D701	8-719-404-46	DIODE MA110
D702	8-719-404-46	DIODE MA110

<FERRITE BEAD>

FB001	1-414-235-11	INDUCTOR, FERRITE BEAD
FB002	1-414-235-11	INDUCTOR, FERRITE BEAD
FB003	1-414-235-11	INDUCTOR, FERRITE BEAD
FB004	1-414-235-11	INDUCTOR, FERRITE BEAD
FB005	1-414-235-11	INDUCTOR, FERRITE BEAD
FB006	1-414-235-11	INDUCTOR, FERRITE BEAD
FB007	1-414-235-11	INDUCTOR, FERRITE BEAD
FB008	1-414-235-11	INDUCTOR, FERRITE BEAD
FB009	1-414-235-11	INDUCTOR, FERRITE BEAD
FB701	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH
FB702	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH
FB703	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH
FB704	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH
FB705	1-543-298-11	BEAD, FERRITE

<FILTER>

FL004	1-421-928-11	FILTER, NOISE
FL005	1-421-928-11	FILTER, NOISE
FL006	1-236-164-11	ENCAPSULATED COMPONENT
FL007	1-424-464-11	FILTER, NOISE
FL008	1-424-464-11	FILTER, NOISE
FL012	1-424-464-11	FILTER, NOISE
FL013	1-421-928-11	FILTER, NOISE
FL014	1-421-928-11	FILTER, NOISE
FL015	1-424-464-11	FILTER, NOISE
FL016	1-424-464-11	FILTER, NOISE
FL017	1-421-928-11	FILTER, NOISE

<IC>

IC001	1-467-361-11	AMPLIFIER BLOCK, PRE (PRE-1)
IC002	8-749-924-65	IC CR5527
IC003	8-752-057-43	IC CXA1616S
IC004	8-759-143-11	IC UPC24M12HF
IC005	8-759-708-05	IC NJM78L05A
IC006	8-759-012-70	IC MC7908CT
IC007	8-759-242-74	IC TC7W04F
IC008	8-759-998-96	IC LM324D
IC009	8-759-032-01	IC MC74HC00AF
IC010	8-759-168-72	IC TDA6101Q
IC011	8-759-168-72	IC TDA6101Q
IC012	8-759-168-72	IC TDA6101Q
IC013	8-759-168-72	IC TDA6101Q
IC701	8-759-996-43	IC RC4558PS
IC702	8-759-242-74	IC TC7W04F

<JACK>

J001	*1-568-547-11	JACK, MINIATUER PIN
J021	*1-568-547-11	JACK, MINIATUER PIN
J041	*1-568-547-11	JACK, MINIATUER PIN
J701	⚠1-251-116-11	SOCKET, CRT

<COIL>

L002	1-412-999-21	INDUCTOR CHIP 47N
L003	1-410-686-11	INDUCTOR 1MMH
L022	1-412-999-21	INDUCTOR CHIP 47N
L042	1-412-999-21	INDUCTOR CHIP 47N

<TRANSISTOR>

Q010	8-729-120-28	TRANSISTOR 2SC1623-L5L6
Q011	8-729-216-22	TRANSISTOR 2SA1162-G
Q060	8-729-216-22	TRANSISTOR 2SA1162-G
Q063	8-729-901-00	TRANSISTOR DTC124EK
Q701	8-729-020-07	TRANSISTOR 2SC4686A(LBSONY)
Q702	8-729-020-07	TRANSISTOR 2SC4686A(LBSONY)

<RESISTOR>

REF.NO.	PART NO.	DESCRIPTION				REMARK
R001	1-216-631-11	METAL CHIP	150	0.50%	1/10W	
R002	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R003	1-216-631-11	METAL CHIP	150	0.50%	1/10W	
R004	1-216-631-11	METAL CHIP	150	0.50%	1/10W	
R005	1-216-631-11	METAL CHIP	150	0.50%	1/10W	
R009	1-216-017-00	METAL GLAZE	47	5%	1/10W	
R010	1-216-039-00	METAL GLAZE	390	5%	1/10W	
R011	1-220-277-91	METAL GLAZE	2.2K	5%	1/4W	
R012	1-216-105-00	METAL GLAZE	220K	5%	1/10W	
R013	1-216-121-00	METAL GLAZE	1M	5%	1/10W	
R015	1-247-734-11	CARBON	39	5%	1/2W	
R016	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R017	1-216-037-00	METAL GLAZE	330	5%	1/10W	
R020	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R021	1-216-631-11	METAL CHIP	150	0.50%	1/10W	
R022	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R023	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R024	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R025	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R026	1-249-417-11	CARBON	1K	5%	1/4W	F
R029	1-216-017-00	METAL GLAZE	47	5%	1/10W	
R030	1-216-039-00	METAL GLAZE	390	5%	1/10W	
R031	1-220-277-91	METAL GLAZE	2.2K	5%	1/4W	
R032	1-216-105-00	METAL GLAZE	220K	5%	1/10W	
R033	1-216-121-00	METAL GLAZE	1M	5%	1/10W	
R035	1-247-734-11	CARBON	39	5%	1/2W	
R036	1-216-095-00	METAL GLAZE	82K	5%	1/10W	
R037	1-216-095-00	METAL GLAZE	82K	5%	1/10W	
R038	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R039	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R040	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R041	1-216-631-11	METAL CHIP	150	0.50%	1/10W	
R042	1-216-067-00	METAL GLAZE	5.6K	5%	1/10W	
R043	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W	
R044	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R045	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R046	1-216-121-00	METAL GLAZE	1M	5%	1/10W	
R049	1-216-017-00	METAL GLAZE	47	5%	1/10W	
R050	1-216-039-00	METAL GLAZE	390	5%	1/10W	
R051	1-220-277-91	METAL GLAZE	2.2K	5%	1/4W	
R052	1-216-105-00	METAL GLAZE	220K	5%	1/10W	
R053	1-216-121-00	METAL GLAZE	1M	5%	1/10W	
R055	1-247-734-11	CARBON	39	5%	1/2W	
R056	1-216-121-00	METAL GLAZE	1M	5%	1/10W	
R057	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R058	1-247-734-11	CARBON	39	5%	1/2W	
R063	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R064	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R065	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R066	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R067	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W	
R068	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R069	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W	
R070	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R072	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R075	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R076	1-216-093-00	METAL GLAZE	68K	5%	1/10W	
R077	1-216-091-00	METAL GLAZE	56K	5%	1/10W	
R078	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R079	1-216-113-00	METAL GLAZE	470K	5%	1/10W	
R081	1-216-085-00	METAL GLAZE	33K	5%	1/10W	
R082	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R083	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R084	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R085	1-216-091-00	METAL GLAZE	56K	5%	1/10W	
R086	1-216-091-00	METAL GLAZE	56K	5%	1/10W	
R087	1-216-091-00	METAL GLAZE	56K	5%	1/10W	
R091	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R092	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R093	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R094	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R095	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R096	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R097	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R098	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R099	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R300	1-216-091-00	METAL GLAZE	56K	5%	1/10W	
R301	1-216-091-00	METAL GLAZE	56K	5%	1/10W	
R302	1-216-091-00	METAL GLAZE	56K	5%	1/10W	
R303	1-216-091-00	METAL GLAZE	56K	5%	1/10W	
R304	1-216-091-00	METAL GLAZE	56K	5%	1/10W	
R305	1-216-091-00	METAL GLAZE	56K	5%	1/10W	
R306	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R307	1-216-055-00	METAL GLAZE	1.8K	5%	1/10W	
R308	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R309	1-216-075-00	METAL GLAZE	12K	5%	1/10W	
R310	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R311	1-216-075-00	METAL GLAZE	12K	5%	1/10W	
R312	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R313	1-216-075-00	METAL GLAZE	12K	5%	1/10W	
R314	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W	
R315	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R316	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W	
R317	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R318	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W	
R319	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R320	1-220-329-91	METAL GLAZE	56K	5%	1/2W	
R321	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R322	1-220-329-91	METAL GLAZE	56K	5%	1/2W	
R324	1-220-329-91	METAL GLAZE	56K	5%	1/2W	
R325	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R326	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R327	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R330	1-216-091-00	METAL GLAZE	56K	5%	1/10W	
R331	1-216-091-00	METAL GLAZE	56K	5%	1/10W	
R332	1-216-091-00	METAL GLAZE	56K	5%	1/10W	
R376	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R377	1-216-113-00	METAL GLAZE	470K	5%	1/10W	
R378	1-216-665-11	METAL CHIP	3.9K	0.50%	1/10W	
R379	1-216-665-11	METAL CHIP	3.9K	0.50%	1/10W	
R380	1-216-665-11	METAL CHIP	3.9K	0.50%	1/10W	
R381	1-216-665-11	METAL CHIP	3.9K	0.50%	1/10W	
R382	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R701	1-216-105-00	METAL GLAZE	220K	5%	1/10W	
R702	1-216-105-00	METAL GLAZE	220K	5%	1/10W	
R703	1-216-105-00	METAL GLAZE	220K	5%	1/10W	
R704	1-216-105-00	METAL GLAZE	220K	5%	1/10W	
R705	1-249-417-11	CARBON	1K	5%	1/4W	F
R706	1-216-097-00	METAL GLAZE	100K	5%	1/10W	
R727	1-216-063-00	METAL GLAZE	3.9K	5%	1/10W	
R728	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R730	1-216-091-00	METAL GLAZE	56K	5%	1/10W	
R731	1-216-063-00	METAL GLAZE	3.9K	5%	1/10W	
R733	1-216-091-00	METAL GLAZE	56K	5%	1/10W	
R734	1-216-091-00	METAL GLAZE	56K	5%	1/10W	

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

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REF.NO.	PART NO.	DESCRIPTION	REMARK
R735	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R736	1-216-091-00	METAL GLAZE 56K 5% 1/10W	
R737	1-216-091-00	METAL GLAZE 56K 5% 1/10W	
R738 ⚠	1-239-748-11	RESISTOR BLOCK (HIGH-VOLTAGE)	
R739 ⚠	1-239-748-11	RESISTOR BLOCK (HIGH-VOLTAGE)	
		<VARIABLE RESISTOR>	
RV701	1-223-410-11	RES, ADJ, METAL FILM 110M	
		<SPARK GAP>	
SG701	1-519-422-11	GAP, SPARK	
SG702	1-519-504-11	GAP, DISCHARGE	
SG703	1-519-504-11	GAP, DISCHARGE	
SG704	1-519-504-11	GAP, DISCHARGE	
SG705	1-519-504-11	GAP, DISCHARGE	
SG706	1-519-422-11	GAP, SPARK	
SG707	1-519-504-11	GAP, DISCHARGE	
**********			
	8-934-693-00	CONNECTOR PANEL ASSY (M)	
		**********	
		<CONNECTOR>	
CN250	*1-564-520-11	PLUG, CONNECTOR 5P	
CN251	1-691-803-11	SOCKET, DIN	
CN253	*1-564-518-11	PLUG, CONNECTOR 3P	
CN254	*1-564-518-11	PLUG, CONNECTOR 3P	
		<DIODE>	
D251	8-719-977-49	DIODE DTZ15B	
D252	8-719-800-76	DIODE 1SS226	
D253	8-719-800-76	DIODE 1SS226	
D254	8-719-800-76	DIODE 1SS226	
D255	8-719-977-49	DIODE DTZ15B	
		<RESISTOR>	
R251	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R252	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
R254	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R255	1-216-617-11	METAL CHIP 39 0.50% 1/10W	
R256	1-216-617-11	METAL CHIP 39 0.50% 1/10W	
R257	1-216-617-11	METAL CHIP 39 0.50% 1/10W	
R258	1-216-617-11	METAL CHIP 39 0.50% 1/10W	
		<SWITCH>	
S250	1-572-482-11	SWITCH, KEY BOARD (1 KEY)	
S251	1-570-157-81	SWITCH, SLIDE	
**********			
⚠	8-9345-850-0	POWER BLOCK (G)	
		**********	
		(INCLUDING F BOARD)	
	*4-374-846-01	COVER, CAPACITOR, CAP TYPE	
	4-382-854-01	SCREW (M3X8), P, SW (+)	
	4-382-854-11	SCREW (M3X10), P, SW (+)	
		<CAPACITOR>	

REF.NO.	PART NO.	DESCRIPTION			REMARK
C601	⚠ 1-162-116-91	CERAMIC	680PF	10%	2KV
C602	⚠ 1-107-576-11	ELECT	560MF	20%	400V
C603	⚠ 1-124-794-91	ELECT	4.7MF	20%	100V
C604	⚠ 1-124-513-91	ELECT	47MF	20%	50V
C605	⚠ 1-124-045-91	ELECT	4.7MF	20%	50V
C606	⚠ 1-130-471-91	MYLAR	0.001MF	5%	50V
C607	⚠ 1-137-194-81	FILM	0.47MF	5%	50V
C608	⚠ 1-123-605-85	ELECT	100MF	20%	100V
C609	⚠ 1-125-700-11	ELECT	220MF	20%	200V
C610	⚠ 1-123-605-85	ELECT	100MF	20%	100V
C611	⚠ 1-124-785-51	ELECT	3300MF	20%	25V
C612	⚠ 1-124-785-51	ELECT	3300MF	20%	25V
C613	⚠ 1-123-985-85	ELECT	1000MF	20%	16V
C614	⚠ 1-124-127-91	ELECT	100MF	20%	25V
C615	⚠ 1-124-127-91	ELECT	100MF	20%	25V
C616	⚠ 1-123-973-91	ELECT	100MF	20%	16V
C617	⚠ 1-124-803-85	ELECT	33MF	20%	160V
C618	⚠ 1-123-605-85	ELECT	100MF	20%	100V
C619	⚠ 1-124-035-91	ELECT	47MF	20%	16V
C620	⚠ 1-130-473-91	MYLAR	0.0015MF	5%	50V
C621	⚠ 1-162-134-51	CERAMIC	470PF	10%	2KV
C623	⚠ 1-161-953-71	CERAMIC	0.0047MF	20%	400V
C624	⚠ 1-161-953-71	CERAMIC	0.0047MF	20%	400V
C625	⚠ 1-123-973-91	ELECT	100MF	20%	16V
C626	⚠ 1-162-134-51	CERAMIC	470PF	10%	2KV
C627	⚠ 1-162-134-51	CERAMIC	470PF	10%	2KV
C628	⚠ 1-102-228-91	CERAMIC	470PF	10%	500V
C629	⚠ 1-102-228-91	CERAMIC	470PF	10%	500V
C630	⚠ 1-102-228-91	CERAMIC	470PF	10%	500V
C631	⚠ 1-102-228-91	CERAMIC	470PF	10%	500V
C632	⚠ 1-102-228-91	CERAMIC	470PF	10%	500V
C633	⚠ 1-102-228-91	CERAMIC	470PF	10%	500V
C634	⚠ 1-102-228-91	CERAMIC	470PF	10%	500V
C635	⚠ 1-161-953-71	CERAMIC	0.0047MF	20%	400V
C636	⚠ 1-161-953-71	CERAMIC	0.0047MF	20%	400V
C637	⚠ 1-161-953-71	CERAMIC	0.0047MF	20%	400V
C638	⚠ 1-161-953-71	CERAMIC	0.0047MF	20%	400V
		<CONNECTOR>			
⚠CN601	*1-580-689-11	PIN, CONNECTOR (PC BOARD) 4P			
⚠CN602	*1-564-511-51	PLUG, CONNECTOR 8P			
⚠CN603	*1-564-508-51	PLUG, CONNECTOR 5P			
⚠CN604	*1-564-506-51	PLUG, CONNECTOR 3P			
CN606	⚠ 1-695-915-21	TAB (CONTACT)			
		<DIODE>			
D601	⚠ 8-719-510-53	DIODE D4SB60L			
D602	⚠ 8-719-978-65	DIODE DTZ15B-TT11			
D603	⚠ 8-719-302-05	DIODE EU2			
D604	⚠ 8-719-302-05	DIODE EU2			
D605	⚠ 8-719-302-05	DIODE EU2			
D606	⚠ 8-719-302-05	DIODE EU2			
D607	⚠ 8-719-404-47	DIODE MA110-TX			
D608	⚠ 8-719-045-47	DIODE FML-S16S			
D609	⚠ 8-719-302-05	DIODE EU2			
D610	⚠ 8-719-302-05	DIODE EU2			
D611	⚠ 8-719-302-05	DIODE EU2			
D612	⚠ 8-719-045-48	DIODE FML-G12S			
D613	⚠ 8-719-045-48	DIODE FML-G12S			
D614	⚠ 8-719-979-50	DIODE EGP30D			
D615	⚠ 8-719-978-68	DIODE DTZ16A-TT11			
D616	⚠ 8-719-404-47	DIODE MA110-TX			

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G **D**

REF.NO.	PART NO.	DESCRIPTION				REMARK
D617	⚠ 8-719-977-89	DIODE DTZ2.0B-TT11				
D620	⚠ 8-719-978-84	DIODE DTZ24A-TT11				
D621	⚠ 8-719-404-47	DIODE MA110-TX				
D622	⚠ 8-719-302-05	DIODE EU2				
D623	⚠ 8-719-302-05	DIODE EU2				
D627	⚠ 8-719-978-65	DIODE DTZ15B-TT11				
D628	⚠ 8-719-404-47	DIODE MA110-TX				
D629	⚠ 8-719-977-89	DIODE DTZ2.0B-TT11				
D630	⚠ 8-719-404-47	DIODE MA110-TX				
D631	⚠ 8-719-404-47	DIODE MA110-TX				
		<FERRITE BEAD>				
FB601	⚠ 1-410-396-51	FERRITE BEAD INDUCTOR 0.45UH				
FB602	⚠ 1-410-396-51	FERRITE BEAD INDUCTOR 0.45UH				
FB603	⚠ 1-410-396-51	FERRITE BEAD INDUCTOR 0.45UH				
FB604	⚠ 1-410-396-51	FERRITE BEAD INDUCTOR 0.45UH				
FB605	⚠ 1-410-396-51	FERRITE BEAD INDUCTOR 0.45UH				
		<IC>				
IC601	⚠ 8-749-924-69	IC STR-M6523				
IC602	⚠ 8-749-923-50	PHOTO COUPLER PC111YS				
IC603	⚠ 8-749-921-86	IC SE-140N				
IC604	⚠ 8-759-164-53	IC NJM7863FD				
		<COIL>				
L601	⚠ 1-412-533-41	INDUCTOR	47UH			
L602	⚠ 1-412-533-41	INDUCTOR	47UH			
L605	⚠ 1-412-533-41	INDUCTOR	47UH			
		<TRANSISTOR>				
Q601	⚠ 8-729-114-87	TRANSISTOR 2SD1309-L				
Q605	⚠ 8-729-823-99	TRANSISTOR 2SC2909-AA				
Q606	⚠ 8-729-901-23	TRANSISTOR DTC143TK-T146				
Q608	⚠ 8-729-901-23	TRANSISTOR DTC143TK-T146				
Q609	⚠ 8-729-920-72	TRANSISTOR 2SA1037K-T-146-QR				
Q610	⚠ 8-729-920-75	TRANSISTOR 2SC2412K-T-146-QR				
Q611	⚠ 8-729-920-75	TRANSISTOR 2SC2412K-T-146-QR				
		<RESISTOR>				
R601	⚠ 1-215-926-71	METAL OXIDE	33K	5%	3W	F
R602	⚠ 1-215-926-71	METAL OXIDE	33K	5%	3W	F
R603	⚠ 1-220-293-91	METAL GLAZE	47K	5%	1/4W	
R604	⚠ 1-220-264-91	METAL GLAZE	1K	5%	1/4W	
R605	⚠ 1-217-239-11	WIREWOUND	0.15	10%	3W	F
R606	⚠ 1-220-262-91	METAL GLAZE	680	5%	1/4W	
R607	⚠ 1-220-293-91	METAL GLAZE	47K	5%	1/4W	
R608	⚠ 1-218-478-91	METAL GLAZE	330	5%	1/4W	
R609	⚠ 1-220-277-91	METAL GLAZE	2.2K	5%	1/4W	
R610	⚠ 1-220-285-91	METAL GLAZE	10K	5%	1/4W	
R611	⚠ 1-220-285-91	METAL GLAZE	10K	5%	1/4W	
R612	⚠ 1-220-264-91	METAL GLAZE	1K	5%	1/4W	
R618	⚠ 1-215-880-71	METAL OXIDE	10	5%	2W	F
R619	⚠ 1-220-313-91	METAL GLAZE	100K	5%	1/4W	
R620	⚠ 1-215-875-71	METAL OXIDE	10K	5%	1W	F
R621	⚠ 1-220-258-91	METAL GLAZE	100	5%	1/4W	
R624	⚠ 1-215-880-71	METAL OXIDE	10	5%	2W	F
R627	⚠ 1-216-389-71	METAL OXIDE	1	5%	3W	F
R628	⚠ 1-220-260-91	METAL GLAZE	390	5%	1/4W	
R629	⚠ 1-216-389-71	METAL OXIDE	1	5%	3W	F
R630	⚠ 1-216-654-91	METAL CHIP	1.3K	0.50%	1/10W	
R631	⚠ 1-218-754-91	METAL CHIP	120K	0.50%	1/10W	
R632	⚠ 1-220-264-91	METAL GLAZE	1K	5%	1/4W	
R633	⚠ 1-216-690-91	METAL CHIP	43K	0.50%	1/10W	
R634	⚠ 1-220-285-91	METAL GLAZE	10K	5%	1/4W	
R635	⚠ 1-218-754-91	METAL CHIP	120K	0.50%	1/10W	
R636	⚠ 1-202-881-91	SOLID	470K	20%	1/2W	
R637	⚠ 1-215-925-71	METAL OXIDE	22K	5%	3W	F
R638	⚠ 1-260-288-71	CARBON	0.47	5%	1/2W	
R639	⚠ 1-249-377-91	CARBON	0.47	5%	1/4W	F
R640	⚠ 1-249-377-91	CARBON	0.47	5%	1/4W	F
R641	⚠ 1-249-377-91	CARBON	0.47	5%	1/4W	F
R642	⚠ 1-249-377-91	CARBON	0.47	5%	1/4W	F
R643	⚠ 1-249-377-91	CARBON	0.47	5%	1/4W	F
R644	⚠ 1-249-377-91	CARBON	0.47	5%	1/4W	F
R645	⚠ 1-249-377-91	CARBON	0.47	5%	1/4W	F
R646	⚠ 1-249-377-91	CARBON	0.47	5%	1/4W	F
R647	⚠ 1-249-377-91	CARBON	0.47	5%	1/4W	F
R648	⚠ 1-249-443-51	CARBON	0.47	5%	1/4W	F
R649	⚠ 1-220-258-91	METAL GLAZE	100	5%	1/4W	
R650	⚠ 1-220-285-91	METAL GLAZE	10K	5%	1/4W	
R651	⚠ 1-220-277-91	METAL GLAZE	2.2K	5%	1/4W	
		<RELAY>				
RY601	⚠ 1-515-986-12	RELAY				
RY602	⚠ 1-515-796-11	RELAY				
		<TRANSFORMER>				
T601	⚠ 1-423-889-11	TRANSFORMER, CONVERTER (SRT)				

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8-934-584-00 DEFLECTION MCB (D)
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*4-043-154-01 HOLDER, IC
*4-374-846-01 COVER, CAPACITOR, CAP TYPE
*4-381-907-01 INSULATOR (A)
*4-381-908-01 INSULATOR (B)
*4-381-995-01 SPRING (E)

4-382-854-01 SCREW (M3X8), P, SW (+)

<CAPACITOR>

C402	1-102-106-00	CERAMIC	100PF	10%	50V
C403	1-136-153-00	FILM	0.01MF	5%	50V
C407	1-136-165-00	FILM	0.1MF	5%	50V
C408	1-130-475-00	MYLAR	0.0022MF	5%	50V
C410	1-162-134-11	CERAMIC	470PF	10%	2KV
C411	1-136-165-00	FILM	0.1MF	5%	50V
C412	1-101-804-00	CERAMIC	10PF	5%	500V
C413	1-101-804-00	CERAMIC	10PF	5%	500V
C414	1-162-318-11	CERAMIC	0.001MF	10%	500V
C415	1-136-153-00	FILM	0.01MF	5%	50V
C416	1-130-475-00	MYLAR	0.0022MF	5%	50V
C417	1-124-915-11	ELECT	10MF	20%	50V
C418	1-102-112-00	CERAMIC	330PF	10%	50V
C419	1-124-915-11	ELECT	10MF	20%	50V
C423	1-136-165-00	FILM	0.1MF	5%	50V
C425	1-136-173-00	FILM	0.47MF	5%	50V
C427	1-124-557-11	ELECT	1000MF	20%	25V
C428	1-124-557-11	ELECT	1000MF	20%	25V
C431	1-124-510-11	ELECT	220MF	20%	35V
C432	1-106-228-00	MYLAR	0.22MF	10%	100V

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REF.NO.	PART NO.	DESCRIPTION			REMARK
C433	1-136-165-00	FILM	0.1MF	5%	50V
C434	1-136-153-00	FILM	0.01MF	5%	50V
C435	1-130-479-00	MYLAR	0.0047MF	5%	50V
C438	1-136-165-00	FILM	0.1MF	5%	50V
C439	1-104-709-11	ELECT	4.7MF	0	160V
C440	1-130-483-00	MYLAR	0.01MF	5%	50V
C441	1-106-367-00	MYLAR	0.01MF	10%	200V
C442	1-106-367-00	MYLAR	0.01MF	10%	200V
C443	1-124-046-00	ELECT	10MF		160V
C444	1-124-915-11	ELECT	10MF	20%	50V
C445	1-104-718-91	CERAMIC	33PF	5%	2KV
C448	1-126-943-11	ELECT	2200MF	20%	25V
C450	1-124-915-11	ELECT	10MF	20%	50V
C451	1-124-915-11	ELECT	10MF	20%	50V
C452	1-124-915-11	ELECT	10MF	20%	50V
C453	1-124-915-11	ELECT	10MF	20%	50V
C459	1-126-933-11	ELECT	100MF	20%	16V
C500	1-104-664-11	ELECT	47MF	20%	25V
C501	1-124-514-11	ELECT	100MF	20%	50V
C502	1-124-915-11	ELECT	10MF	20%	50V
C503	1-124-915-11	ELECT	10MF	20%	50V
C504	1-126-941-11	ELECT	470MF	20%	25V
C505	1-126-941-11	ELECT	470MF	20%	25V
C506	1-130-471-00	MYLAR	0.001MF	5%	50V
C507	1-126-941-11	ELECT	470MF	20%	25V
C508	1-124-126-00	ELECT	47MF	20%	16V
C509	1-124-903-11	ELECT	1MF	20%	50V
C510	1-136-159-00	FILM	0.033MF	5%	50V
C511	1-102-110-00	CERAMIC	220PF	10%	50V
C512	1-136-153-00	FILM	0.01MF	5%	50V
C513	1-130-481-00	MYLAR	0.0068MF	5%	50V
C514	1-136-173-00	FILM	0.47MF	5%	50V
C515	1-136-165-00	FILM	0.1MF	5%	50V
C516	1-124-126-00	ELECT	47MF	20%	16V
C518	1-130-473-00	MYLAR	0.0015MF	5%	50V
C519	1-136-165-00	FILM	0.1MF	5%	50V
C520	1-136-153-00	FILM	0.01MF	5%	50V
C521	1-124-903-11	ELECT	1MF	20%	50V
C522	1-162-116-00	CERAMIC	680PF	10%	2KV
C523	1-124-915-11	ELECT	10MF	20%	50V
C524	1-136-165-00	FILM	0.1MF	5%	50V
C525	1-130-471-00	MYLAR	0.001MF	5%	50V
C533	1-162-558-11	CERAMIC	100PF	10%	2KV
C534	1-136-173-00	FILM	0.47MF	5%	50V
C535	1-163-157-00	FILM	0.022MF	5%	50V
C536	1-106-351-00	MYLAR	0.0022MF	10%	100V
C537	1-126-941-11	ELECT	470MF	20%	25V
C538	1-107-433-11	FILM	6000PF	3%	2KV
C539	1-162-558-11	CERAMIC	100PF	10%	2KV
C540	1-136-553-11	FILM	0.0015MF	5%	630V
C541	1-162-114-00	CERAMIC	0.0047MF		2KV
C542	1-107-683-91	ELECT	2.2MF	0	250V
C546	1-106-367-00	MYLAR	0.01MF	10%	200V
C547	1-106-367-00	MYLAR	0.01MF	10%	200V
C548	1-104-796-91	ELECT	220MF	20%	63V
C551	1-124-557-11	ELECT	1000MF	20%	25V
C552	1-124-557-11	ELECT	1000MF	20%	25V
C553	1-107-510-11	FILM	0.07MF	5%	400V
C554	1-107-505-11	FILM	0.39MF	5%	400V
C555	1-107-511-11	FILM	0.15MF	5%	400V
C556	1-107-512-11	FILM	0.3MF	5%	400V
C557	1-107-513-11	FILM	0.6MF	5%	400V
C558	1-107-514-11	FILM	1.2MF	5%	400V
C559	1-136-173-00	FILM	0.47MF	5%	50V
C561	1-123-024-21	ELECT	33MF		160V
C565	1-136-165-00	FILM	0.1MF	5%	50V
C573	1-162-117-00	CERAMIC	100PF	10%	500V
C800	1-106-359-00	MYLAR	0.0047MF	10%	200V
C801	1-102-114-00	CERAMIC	470PF	10%	50V
C802	1-130-471-00	MYLAR	0.001MF	5%	50V
C803	1-136-105-00	FILM	0.33MF	5%	200V
C804	1-130-477-00	FILM	0.0033MF	5%	50V
C805	1-136-538-11	FILM	0.001MF	3%	2KV
C806	1-123-024-21	ELECT	33MF		160V
C807	1-136-165-00	FILM	0.1MF	5%	50V
C808	1-136-165-00	FILM	0.1MF	5%	50V
C809	1-106-363-00	MYLAR	0.0068MF	99%	200V
C810	1-102-106-00	CERAMIC	100PF	10%	50V
C811	1-102-114-00	CERAMIC	470PF	10%	50V
C812	1-104-665-11	ELECT	100MF	20%	25V
C813	1-136-165-00	FILM	0.1MF	5%	50V
C814	1-124-903-11	ELECT	1MF	20%	50V
C815	1-106-391-12	MYLAR	0.1MF	10%	200V
C816	1-136-165-00	FILM	0.1MF	5%	50V
C817	1-136-165-00	FILM	0.1MF	5%	50V
C818	1-124-915-11	ELECT	10MF	20%	50V
C819	1-124-915-11	ELECT	10MF	20%	50V
C820	1-136-165-00	FILM	0.1MF	5%	50V
C821	1-101-003-00	CERAMIC	0.0047MF		50V
C822	1-102-228-00	CERAMIC	470PF	10%	500V
C823	1-124-915-11	ELECT	10MF	20%	50V
C824	1-124-915-11	ELECT	10MF	20%	50V
C825	1-124-915-11	ELECT	10MF	20%	50V
C826	1-124-903-11	ELECT	1MF	20%	50V
C827	1-102-106-00	CERAMIC	100PF	10%	50V
C828	1-124-903-11	ELECT	1MF	20%	50V
C829	1-124-915-11	ELECT	10MF	20%	50V
C841	1-136-165-00	FILM	0.1MF	5%	50V
C1602⚠	1-137-241-11	FILM	0.47MF	20%	125V
C1603⚠	1-162-578-51	CERAMIC	0.0047MF	20%	400V
C1604⚠	1-162-578-51	CERAMIC	0.0047MF	20%	400V
C1641	1-136-165-00	FILM	0.1MF	5%	50V
C1647	1-136-165-00	FILM	0.1MF	5%	50V

<CONNECTOR>

CN400	*1-573-986-11	PIN, CONNECTOR (PC BOARD) 5P
CN401	*1-580-689-11	PIN, CONNECTOR (PC BOARD) 4P
CN500	*1-564-511-51	PLUG, CONNECTOR 8P
CN501	*1-568-536-11	PLUG (MINIATURE DY) 6P
CN502	1-764-101-11	PIN, CONNECTOR (PC BOARD) 2P
CN503	*1-564-507-11	PLUG, CONNECTOR 4P
CN504	*1-564-508-11	PLUG, CONNECTOR 5P
CN505	*1-564-509-11	PLUG, CONNECTOR 6P
CN801	*1-564-512-11	PLUG, CONNECTOR 9P
CN802	*1-764-042-11	PIN, CONNECTOR (STAKING) 20P
CN803	*1-764-042-11	PIN, CONNECTOR (STAKING) 20P
CN1603	1-691-960-11	PIN, CONNECTOR (PC BOARD) 3P
CN1604	*1-580-689-11	PIN, CONNECTOR (PC BOARD) 4P

<DIODE>

D404	8-719-911-19	DIODE 1SS119
D405	8-719-911-19	DIODE 1SS119
D406	8-719-911-19	DIODE 1SS119
D407	8-719-028-72	DIODE RGP02-17EL-6433
D408	8-719-979-85	DIODE EGP20G

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D

REF.NO.	PART NO.	DESCRIPTION	REMARK
D409	8-719-110-36	DIODE RD13ESB2	
D410	8-719-908-03	DIODE GP08D	
D411	8-719-028-72	DIODE RGP02-17EL-6433	
D412	8-719-908-03	DIODE GP08D	
D413	8-719-911-19	DIODE 1SS119	
D414	8-719-908-03	DIODE GP08D	
D415	8-719-911-19	DIODE 1SS119	
D416	8-719-110-49	DIODE RD18ESB2	
D417	8-719-911-19	DIODE 1SS119	
D418	8-719-911-19	DIODE 1SS119	
D419	8-719-110-46	DIODE RD16ESB3	
D420	8-719-911-19	DIODE 1SS119	
D421	8-719-911-19	DIODE 1SS119	
D422	8-719-109-81	DIODE RD4.7ESB2	
D425	8-719-920-34	DIODE ERA15-01TP1	
D501	8-719-109-89	DIODE RD5.6ESB2	
D502	8-719-951-30	DIODE ERA91-02	
D503	8-719-920-67	DIODE ERC91-02	
D504	8-719-110-36	DIODE RD13ESB2	
D505	8-719-979-57	DIODE EGP30G	
D506	8-719-920-67	DIODE ERC91-02	
D507	8-719-979-85	DIODE EGP20G	
D508	8-719-979-85	DIODE EGP20G	
D509	8-719-109-57	DIODE RD2.4ESB2	
D510	8-719-984-73	DIODE SB560	
D511	8-719-041-52	DIODE PG151S15	
D512	8-719-911-19	DIODE 1SS119	
D513	8-719-911-19	DIODE 1SS119	
D514	8-719-018-82	DIODE RGP02-20EL-6394	
D515	8-719-911-19	DIODE 1SS119	
D516	8-719-979-57	DIODE EGP30G	
D517	8-719-911-19	DIODE 1SS119	
D518	8-719-911-19	DIODE 1SS119	
D519	8-719-911-19	DIODE 1SS119	
D520	8-719-911-19	DIODE 1SS119	
D521	8-719-911-19	DIODE 1SS119	
D522	8-719-911-19	DIODE 1SS119	
D523	8-719-911-19	DIODE 1SS119	
D524	8-719-908-03	DIODE GP08D	
D801	8-719-110-46	DIODE RD16ESB3	
D802	8-719-911-19	DIODE 1SS119	
D803	8-719-911-19	DIODE 1SS119	
D805	8-719-911-19	DIODE 1SS119	
D806	8-719-110-46	DIODE RD16ESB3	
D807	8-719-941-74	DIODE ERB91-02	
D808	8-719-920-67	DIODE ERC91-02	
D809	8-719-911-19	DIODE 1SS119	
D810	8-719-911-19	DIODE 1SS119	
D811	8-719-110-46	DIODE RD16ESB3	
D812	8-719-974-48	DIODE ERA34-10	
D813	8-719-989-80	DIODE ERD09-15J	
D814	8-719-911-19	DIODE 1SS119	
D815	8-719-109-89	DIODE RD5.6ESB2	
D816	8-719-911-19	DIODE 1SS119	
D817	8-719-109-85	DIODE RD5.1ESB2	
D819	8-719-911-19	DIODE 1SS119	
D820	8-719-911-19	DIODE 1SS119	
D821	8-719-911-19	DIODE 1SS119	
D823	8-719-109-89	DIODE RD5.6ESB2	
D824	8-719-911-19	DIODE 1SS119	
D825	8-719-200-02	DIODE 10E-2	
D826	8-719-109-51	DIODE RD2.0ESB2	
D827	8-719-109-89	DIODE RD5.6ESB2	
D828	8-719-911-19	DIODE 1SS119	
D829	8-719-911-19	DIODE 1SS119	
D1501	8-719-109-81	DIODE RD4.7ESB2	
D1502	8-719-109-81	DIODE RD4.7ESB2	
D1503	8-719-109-81	DIODE RD4.7ESB2	
D1504	8-719-109-81	DIODE RD4.7ESB2	
D1505	8-719-109-81	DIODE RD4.7ESB2	
D1624	8-719-911-19	DIODE 1SS119	
D1629	8-719-911-19	DIODE 1SS119	
		<FERRITE BEAD>	
FB401	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH	
FB501	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH	
FB502	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH	
FB503	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH	
		<IC>	
IC401	8-759-822-38	IC LA6510	
IC404	8-759-503-91	IC TL082ACP	
IC406	8-759-908-15	IC TL431CLP	
IC407	8-759-980-58	IC TDA8172	
IC408	8-759-013-06	IC MC7805CT	
IC409	8-759-143-11	IC UPC24M12HF	
IC410	8-759-012-71	IC MC7912CT	
IC500	8-759-143-11	IC UPC24M12HF	
IC501	8-759-012-71	IC MC7912CT	
IC502	8-759-503-91	IC TL082ACP	
IC503	8-759-177-43	IC CXA1544P	
IC505	8-759-803-42	IC LA6500-FA	
IC506	8-729-021-70	TRANSISTOR IRHT5305	
IC801	8-759-240-49	IC TC4049BP	
IC802	8-759-182-61	IC DLAB43A	
IC803	8-759-135-80	IC UPC358C	
IC804⚠	1-810-321-12	PROTECTOR MODULE, HV	
IC806	8-759-981-64	IC LM2903DQ	
		<COIL>	
L451	1-408-406-00	INDUCTOR 5.6UH	
L501	1-406-991-11	COIL, HORIZONTAL LINEARITY	
L502	1-424-321-11	COIL, CHOKE 1000UH	
L503	1-406-892-11	COIL, CHOKE 4MMH	
L504	1-412-537-31	INDUCTOR 100UH	
L505	1-412-537-31	INDUCTOR 100UH	
L506	1-412-537-31	INDUCTOR 100UH	
L507	1-460-080-11	COIL, HORIZONTAL LINEARITY	
L509	1-412-537-31	INDUCTOR 100UH	
L801	1-412-537-31	INDUCTOR 100UH	
L803	1-412-527-11	INDUCTOR 15UH	
		<IC LINK>	
PS500⚠	1-532-841-21	LINK, IC 1.6A	
PS501⚠	1-532-984-91	LINK, IC 2.0A	
PS502⚠	1-532-984-91	LINK, IC 2.0A	
PS503⚠	1-532-637-91	LINK, IC 1A	
PS504⚠	1-532-637-91	LINK, IC 1A	
PS800⚠	1-532-839-21	LINK, IC 1A	
		<TRANSISTOR>	
Q402	8-729-119-78	TRANSISTOR 2SC2785-HFE	

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REF.NO.	PART NO.	DESCRIPTION	REMARK
Q403	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q404	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q406	8-729-140-96	TRANSISTOR 2SD774-34	
Q408	8-729-020-07	TRANSISTOR 2SC4686A(LBSONY)	
Q409	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q410	8-729-017-69	TRANSISTOR IRFI9620	
Q411	8-729-022-28	TRANSISTOR IRFI620	
Q412	8-729-020-07	TRANSISTOR 2SC4686A(LBSONY)	
Q506	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q511	8-729-023-09	TRANSISTOR IRFI9630S-LF	
Q512	8-729-023-08	TRANSISTOR 2SC3997-CC	
Q513	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q514	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q515	8-729-820-73	TRANSISTOR 2SC3746	
Q517	8-729-140-96	TRANSISTOR 2SD774-34	
Q518	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q519	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q520	8-729-900-63	TRANSISTOR DTA124ES	
Q521	8-729-900-36	TRANSISTOR DTC124ES	
Q522	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q801	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q802	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q803	8-729-022-47	TRANSISTOR 2SK2077(LBSONY)	
Q804	8-729-023-09	TRANSISTOR IRFI9630S-LF	
Q805	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q806	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q807	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q809	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q810	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q811	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q812	8-729-022-18	TRANSISTOR IRLI520	
Q1501	8-729-022-18	TRANSISTOR IRLI520	
Q1603	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q1606	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q1607	8-729-119-78	TRANSISTOR 2SC2785-HFE	

<RESISTOR>

REF.NO.	PART NO.	DESCRIPTION				REMARK
R404	1-249-393-11	CARBON	10	5%	1/4W	F
R405	1-249-429-11	CARBON	10K	5%	1/4W	
R407	1-249-425-11	CARBON	4.7K	5%	1/4W	
R410	1-249-429-11	CARBON	10K	5%	1/4W	
R411	1-249-431-11	CARBON	15K	5%	1/4W	
R412	1-249-438-11	CARBON	56K	5%	1/4W	
R413	1-247-903-00	CARBON	1M	5%	1/4W	
R414	1-249-437-11	CARBON	47K	5%	1/4W	
R416	1-202-844-00	SOLID	330K	20%	1/2W	
R417	1-202-844-00	SOLID	330K	20%	1/2W	
R418	1-202-844-00	SOLID	330K	20%	1/2W	
R419	1-247-807-31	CARBON	100	5%	1/4W	
R420	1-249-417-11	CARBON	1K	5%	1/4W	
R421	1-249-429-11	CARBON	10K	5%	1/4W	
R422	1-249-435-11	CARBON	33K	5%	1/4W	
R424	1-259-880-11	CARBON	2.2M	5%	1/4W	
R425	1-259-880-11	CARBON	2.2M	5%	1/4W	
R426	1-259-880-11	CARBON	2.2M	5%	1/4W	
R427	1-249-437-11	CARBON	47K	5%	1/4W	
R430	1-249-385-11	CARBON	2.2	5%	1/4W	
R431	1-249-385-11	CARBON	2.2	5%	1/4W	
R433	1-215-909-71	METAL OXIDE	47	5%	3W	F
R434	1-249-425-11	CARBON	4.7K	5%	1/4W	
R436	1-249-383-11	CARBON	1.5	5%	1/4W	F
R438	1-249-425-11	CARBON	4.7K	5%	1/4W	
R439	1-249-417-11	CARBON	1K	5%	1/4W	
R440	1-215-465-00	METAL	68K	1%	1/4W	
R442	1-215-445-00	METAL	10K	1%	1/4W	
R443	1-247-887-00	CARBON	220K	5%	1/4W	
R444	1-216-452-11	METAL OXIDE	180	5%	2W	F
R445	1-249-431-11	CARBON	15K	5%	1/4W	
R446	1-215-445-00	METAL	10K	1%	1/4W	
R447	1-249-417-11	CARBON	1K	5%	1/4W	
R449	1-215-461-00	METAL	47K	1%	1/4W	
R450	1-215-445-00	METAL	10K	1%	1/4W	
R451	1-249-383-11	CARBON	1.5	5%	1/4W	F
R452	1-249-421-11	CARBON	2.2K	5%	1/4W	
R453	1-215-910-00	METAL OXIDE	68	5%	3W	F
R454	1-215-461-00	METAL	47K	1%	1/4W	
R455	1-215-415-00	METAL	560	1%	1/4W	
R458	1-215-467-00	METAL	82K	1%	1/4W	
R459	1-215-439-00	METAL	5.6K	1%	1/4W	
R460	1-215-422-00	METAL	1.1K	1%	1/4W	
R461	1-215-866-11	METAL OXIDE	330	5%	1W	F
R462	1-214-798-21	METAL	1.8	1%	1/2W	
R463	1-249-383-11	CARBON	1.5	5%	1/4W	F
R464	1-216-393-00	METAL OXIDE	2.2	5%	3W	F
R465	1-216-393-00	METAL OXIDE	2.2	5%	3W	F
R466	1-249-429-11	CARBON	10K	5%	1/4W	
R467	1-249-421-11	CARBON	2.2K	5%	1/4W	
R468	1-249-429-11	CARBON	10K	5%	1/4W	
R469	1-249-441-11	CARBON	100K	5%	1/4W	
R470	1-249-417-11	CARBON	1K	5%	1/4W	F
R471	1-249-409-11	CARBON	220	5%	1/4W	
R472	1-249-409-11	CARBON	220	5%	1/4W	
R479	1-249-425-11	CARBON	4.7K	5%	1/4W	
R481	1-249-413-11	CARBON	470	5%	1/4W	F
R482	1-249-423-11	CARBON	3.3K	5%	1/4W	
R483	1-249-421-11	CARBON	2.2K	5%	1/4W	
R484	1-214-798-21	METAL	1.8	1%	1/2W	
R502	1-249-417-11	CARBON	1K	5%	1/4W	
R503	1-249-429-11	CARBON	10K	5%	1/4W	
R504	1-249-429-11	CARBON	10K	5%	1/4W	
R505	1-247-807-31	CARBON	100	5%	1/4W	F
R506	1-215-463-00	METAL	56K	1%	1/4W	
R507	1-260-288-11	CARBON	0.47	5%	1/2W	
R508	1-260-288-11	CARBON	0.47	5%	1/2W	
R509	1-216-393-00	METAL OXIDE	2.2	5%	3W	F
R510	1-215-445-00	METAL	10K	1%	1/4W	
R511	1-216-425-11	METAL OXIDE	56	5%	1W	F
R512	1-215-886-11	METAL OXIDE	100	5%	2W	F
R513	1-216-393-00	METAL OXIDE	2.2	5%	3W	F
R514	1-216-423-11	METAL OXIDE	27	5%	1W	F
R515	1-208-964-11	METAL OXIDE	4.7	10%	5W	F
R516	1-208-964-11	METAL OXIDE	4.7	10%	5W	F
R517	1-249-429-11	CARBON	10K	5%	1/4W	
R518	1-215-860-71	METAL OXIDE	33	5%	1W	F
R519	1-249-434-11	CARBON	27K	5%	1/4W	
R520	1-260-296-71	CARBON	2.2	5%	1/2W	
R521	1-249-437-11	CARBON	47K	5%	1/4W	
R522	1-249-429-11	CARBON	10K	5%	1/4W	
R523	1-249-425-11	CARBON	4.7K	5%	1/4W	
R524	1-249-433-11	CARBON	22K	5%	1/4W	
R525	1-249-426-11	CARBON	5.6K	5%	1/4W	
R527	1-249-397-11	CARBON	22	5%	1/4W	F
R529	1-215-455-00	METAL	27K	1%	1/4W	
R530	1-215-453-00	METAL	22K	1%	1/4W	
R531	1-249-423-11	CARBON	3.3K	5%	1/4W	
R532	1-215-445-00	METAL	10K	1%	1/4W	
R533	1-215-445-00	METAL	10K	1%	1/4W	

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite.
Ne les remplacer que par une piece portant le numero specifie.

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REF.NO.	PART NO.	DESCRIPTION				REMARK
R534	1-215-452-00	METAL	20K	1%	1/4W	
R535	1-215-452-00	METAL	20K	1%	1/4W	
R536	1-215-425-00	METAL	1.5K	1%	1/4W	
R539	1-249-417-11	CARBON	1K	5%	1/4W	
R540	1-247-891-00	CARBON	330K	5%	1/4W	
R541	1-249-429-11	CARBON	10K	5%	1/4W	
R550	1-249-433-11	CARBON	22K	5%	1/4W	
R551	1-249-437-11	CARBON	47K	5%	1/4W	
R575	1-215-452-00	METAL	20K	1%	1/4W	
R576	1-215-439-00	METAL	5.6K	1%	1/4W	
R578	1-215-891-11	METAL OXIDE	680	5%	2W	F
R581	1-249-414-11	CARBON	560	5%	1/4W	
R582	1-249-429-11	CARBON	10K	5%	1/4W	
R583	1-249-414-11	CARBON	560	5%	1/4W	
R584	1-249-416-11	CARBON	820	5%	1/4W	
R585	1-249-421-11	CARBON	2.2K	5%	1/4W	
R586	1-247-807-31	CARBON	100	5%	1/4W	
R587	1-249-421-11	CARBON	2.2K	5%	1/4W	
R588	1-249-393-11	CARBON	10	5%	1/4W	F
R591	1-215-421-00	METAL	1K	1%	1/4W	
R592	1-215-421-00	METAL	1K	1%	1/4W	
R593	1-249-426-11	CARBON	5.6K	5%	1/4W	
R595	1-215-455-00	METAL	27K	1%	1/4W	
R596	1-215-459-00	METAL	39K	1%	1/4W	
R597	1-215-445-00	METAL	10K	1%	1/4W	
R598	1-215-438-00	METAL	5.1K	1%	1/4W	
R599	1-249-437-11	CARBON	47K	5%	1/4W	
R801	1-249-417-11	CARBON	1K	5%	1/4W	
R802	1-249-393-11	CARBON	10	5%	1/4W	F
R803	1-249-402-11	CARBON	56	5%	1/4W	F
R804	1-249-433-11	CARBON	22K	5%	1/4W	
R805	1-249-417-11	CARBON	1K	5%	1/4W	
R806	1-249-426-11	CARBON	5.6K	5%	1/4W	
R807	1-249-417-11	CARBON	1K	5%	1/4W	
R808	1-247-807-31	CARBON	100	5%	1/4W	
R809	1-249-429-11	CARBON	10K	5%	1/4W	
R810	1-249-429-11	CARBON	10K	5%	1/4W	
R811	1-249-393-11	CARBON	10	5%	1/4W	
R812	1-249-428-11	CARBON	8.2K	5%	1/4W	
R813	1-249-397-11	CARBON	22	5%	1/4W	F
R814	1-249-427-11	CARBON	6.8K	5%	1/4W	
R815	1-215-889-11	METAL OXIDE	330	5%	2W	F
R816	1-216-431-11	METAL OXIDE	560	5%	1W	F
R817	1-216-431-11	METAL OXIDE	560	5%	1W	F
R818	1-249-420-11	CARBON	1.8K	5%	1/4W	
R819	1-249-420-11	CARBON	1.8K	5%	1/4W	
R821	1-215-889-00	METAL OXIDE	330	5%	2W	F
R822	1-249-423-11	CARBON	3.3K	5%	1/4W	
R823	1-249-425-11	CARBON	4.7K	5%	1/4W	
R824	1-249-441-11	CARBON	100K	5%	1/4W	
R825	1-202-818-00	SOLID	1K	20%	1/2W	
R826 ⚠	1-215-431-91	METAL	2.7K	1%	1/4W	
R827	1-249-441-11	CARBON	100K	5%	1/4W	
R828	1-247-887-00	CARBON	220K	5%	1/4W	
R829	1-249-441-11	CARBON	100K	5%	1/4W	
R830	1-249-433-11	CARBON	22K	5%	1/4W	
R831	1-249-426-11	CARBON	5.6K	5%	1/4W	
R832 ⚠	1-215-455-91	METAL	27K	1%	1/4W	
R833	1-249-417-11	CARBON	1K	5%	1/4W	
R834	1-249-426-11	CARBON	5.6K	5%	1/4W	
R835	1-249-421-11	CARBON	2.2K	5%	1/4W	
R836	1-249-429-11	CARBON	10K	5%	1/4W	
R837	1-249-433-11	CARBON	22K	5%	1/4W	
R839	1-249-441-11	CARBON	100K	5%	1/4W	
R840	1-249-417-11	CARBON	1K	5%	1/4W	
R841	1-249-417-11	CARBON	1K	5%	1/4W	
R842 ⚠	1-215-453-91	METAL	22K	1%	1/4W	
R843 ⚠	1-215-448-91	METAL	13K	1%	1/4W	
R844	1-249-429-11	CARBON	10K	5%	1/4W	
R845	1-216-341-71	METAL OXIDE	0.22	5%	1W	F
R846	1-216-344-00	METAL OXIDE	0.39	5%	1W	F
R847	1-249-429-11	CARBON	10K	5%	1/4W	
R848	1-249-441-11	CARBON	100K	5%	1/4W	
R849	1-247-887-00	CARBON	220K	5%	1/4W	
R850	1-202-826-00	SOLID	4.7K	20%	1/2W	
R851	1-202-827-11	SOLID	5.6K	20%	1/2W	
R852	1-215-889-00	METAL OXIDE	330	5%	2W	F
R853	1-249-441-11	CARBON	100K	5%	1/4W	
R854	1-249-417-11	CARBON	1K	5%	1/4W	
R855	1-249-433-11	CARBON	22K	5%	1/4W	
R856	1-249-417-11	CARBON	1K	5%	1/4W	
R857	1-215-913-11	METAL OXIDE	220	5%	3W	F
R1500	1-249-425-11	CARBON	4.7K	5%	1/4W	
R1501	1-249-429-11	CARBON	10K	5%	1/4W	
R1502	1-215-421-00	METAL	1K	1%	1/4W	
R1503	1-249-417-11	CARBON	1K	5%	1/4W	
R1504	1-249-417-11	CARBON	1K	5%	1/4W	
R1505	1-249-417-11	CARBON	1K	5%	1/4W	
R1506	1-249-417-11	CARBON	1K	5%	1/4W	
R1507	1-249-437-11	CARBON	47K	5%	1/4W	
R1508	1-249-437-11	CARBON	47K	5%	1/4W	
R1509	1-249-437-11	CARBON	47K	5%	1/4W	
R1510	1-249-437-11	CARBON	47K	5%	1/4W	
R1511	1-215-449-00	METAL	15K	1%	1/4W	
R1512	1-247-807-31	CARBON	100	5%	1/4W	
R1518	1-214-847-00	METAL	200	1%	1/2W	
R1519	1-214-847-00	METAL	200	1%	1/2W	
R1520	1-249-417-11	CARBON	1K	5%	1/4W	
R1521	1-249-437-11	CARBON	47K	5%	1/4W	
R1522	1-214-847-00	METAL	200	1%	1/2W	
R1600	1-249-429-11	CARBON	10K	5%	1/4W	
R1603	1-249-429-11	CARBON	10K	5%	1/4W	
R1604	1-249-429-11	CARBON	10K	5%	1/4W	
R1605	1-249-417-11	CARBON	1K	5%	1/4W	
R1639	1-249-429-11	CARBON	10K	5%	1/4W	
R1646	1-249-435-11	CARBON	33K	5%	1/4W	
R1647	1-249-429-11	CARBON	10K	5%	1/4W	

<RELAY>

⚠RY501	1-515-805-11	RELAY, POWER	
⚠RY1601	1-515-849-11	RELAY	
⚠RY1602	1-515-669-21	RELAY	

<SPARK GAP>

SG400	1-519-422-11	GAP, SPARK	
SG800	1-519-422-11	GAP, SPARK	

<TRANSFORMER>

T400	1-423-854-11	TRANSFORMER, FERRITE (DFT)	
T401	1-423-405-11	TRANSFORMER, FERRITE (FRT)	
T500	1-423-853-11	TRANSFORMER, FERRITE (HDT)	
T501	1-423-888-11	TRANSFORMER, FERRITE (HOT)	
T502	1-423-856-11	TRANSFORMER, FERRITE (HST)	
T800 ⚠	1-453-155-11	TRANSFORMER ASSY, FLYBACK (NX-2780A5)	

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

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REF.NO.	PART NO.	DESCRIPTION			REMARK
T801	1-423-855-11	TRANSFORMER, FERRITE (HRT)			
T1601⚠	1-426-643-11	TRANSFORMER, LINE FILTER			
		<THERMISTOR>			
⚠THP601	1-809-260-11	THERMISTOR, POWER			
⚠THP602	1-809-827-11	THERMISTOR, POSITIVE			
		<VARISTOR>			
⚠VD1601	1-809-201-21	VARISTOR			
**********					
	8-934-586-00	CONTROL PANEL ASSY (H)			
		**********			
	4-041-624-01	HOLDER (H1), LED			
	4-041-657-01	HOLDER (H2), LED			
		<CAPACITOR>			
C201	1-163-038-00	CERAMIC CHIP 0.1MF			25V
C202	1-163-038-00	CERAMIC CHIP 0.1MF			25V
C203	1-124-584-00	ELECT 100MF		20%	10V
C204	1-124-584-00	ELECT 100MF		20%	10V
C205	1-163-125-00	CERAMIC CHIP 220PF		5%	50V
C206	1-163-125-00	CERAMIC CHIP 220PF		5%	50V
C207	1-163-125-00	CERAMIC CHIP 220PF		5%	50V
C208	1-163-125-00	CERAMIC CHIP 220PF		5%	50V
C209	1-163-125-00	CERAMIC CHIP 220PF		5%	50V
C210	1-163-125-00	CERAMIC CHIP 220PF		5%	50V
C211	1-163-125-00	CERAMIC CHIP 220PF		5%	50V
C212	1-163-125-00	CERAMIC CHIP 220PF		5%	50V
C213	1-163-125-00	CERAMIC CHIP 220PF		5%	50V
C214	1-163-125-00	CERAMIC CHIP 220PF		5%	50V
C215	1-163-125-00	CERAMIC CHIP 220PF		5%	50V
C216	1-163-125-00	CERAMIC CHIP 220PF		5%	50V
		<CONNECTOR>			
CN201	*1-564-521-11	PLUG, CONNECTOR 6P			
		<DIODE>			
D201	8-719-311-15	DIODE SEL1422G-C,D			
D202	8-719-311-90	DIODE SEL1922D-C			
D203	8-719-311-90	DIODE SEL1922D-C			
D204	8-719-311-90	DIODE SEL1922D-C			
D205	8-719-311-90	DIODE SEL1922D-C			
D206	8-719-311-90	DIODE SEL1922D-C			
D207	8-719-045-19	DIODE SPB-26MVWF			
D209	8-719-977-03	DIODE DTZ5.6B			
		<IC>			
IC201	8-759-032-59	IC MC74HC595AF			
IC202	8-759-173-48	IC MC74HC597F-T2			
		<TRANSISTOR>			
Q201	8-729-901-00	TRANSISTOR DTC124EK			
Q202	8-729-901-00	TRANSISTOR DTC124EK			

REF.NO.	PART NO.	DESCRIPTION			REMARK
		<RESISTOR>			
R201	1-216-041-00	METAL GLAZE	470	5%	1/10W
R202	1-216-041-00	METAL GLAZE	470	5%	1/10W
R203	1-216-041-00	METAL GLAZE	470	5%	1/10W
R204	1-216-041-00	METAL GLAZE	470	5%	1/10W
R205	1-216-041-00	METAL GLAZE	470	5%	1/10W
R206	1-216-041-00	METAL GLAZE	470	5%	1/10W
R207	1-216-037-00	METAL GLAZE	330	5%	1/10W
R208	1-216-041-00	METAL GLAZE	470	5%	1/10W
R210	1-216-041-00	METAL GLAZE	470	5%	1/10W
R226	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R227	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R228	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R229	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R230	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R231	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R232	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R233	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R234	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R235	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R236	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R237	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R238	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R239	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R240	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R241	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R242	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R243	1-216-073-00	METAL GLAZE	10K	5%	1/10W
		<SWITCH>			
S201	1-571-532-21	SWITCH, TACTIL			
S202	1-571-532-21	SWITCH, TACTIL			
S203	1-571-532-21	SWITCH, TACTIL			
S204	1-571-532-21	SWITCH, TACTIL			
S205	1-571-532-21	SWITCH, TACTIL			
S206	1-571-532-21	SWITCH, TACTIL			
S207	1-571-532-21	SWITCH, TACTIL			
S208	1-571-532-21	SWITCH, TACTIL			
**********					
	8-934-702-00	MICOM MCB (N) (FOR U/C)			
		**********			
	8-934-707-00	MICOM MCB (N) (FOR AEP)			
		**********			
		<CAPACITOR>			
C901	1-163-038-00	CERAMIC CHIP 0.1MF			25V
C903	1-163-038-00	CERAMIC CHIP 0.1MF			25V
C904	1-164-004-11	CERAMIC CHIP 0.1MF		10%	25V
C905	1-163-038-00	CERAMIC CHIP 0.1MF			25V
C906	1-164-004-11	CERAMIC CHIP 0.1MF		10%	25V
C907	1-124-903-11	ELECT 1MF		20%	50V
C908	1-163-235-11	CERAMIC CHIP 22PF		5%	50V
C909	1-104-555-11	FILM CHIP 0.022MF		5%	16V
C910	1-163-235-11	CERAMIC CHIP 22PF		5%	50V
C911	1-163-235-11	CERAMIC CHIP 22PF		5%	50V
C912	1-163-038-00	CERAMIC CHIP 0.1MF			25V
C913	1-163-038-00	CERAMIC CHIP 0.1MF			25V
C914	1-164-004-11	CERAMIC CHIP 0.1MF		10%	25V
C915	1-163-101-00	CERAMIC CHIP 22PF		5%	50V
C916	1-163-038-00	CERAMIC CHIP 0.1MF			25V

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REF.NO.	PART NO.	DESCRIPTION		REMARK
C917	1-163-038-00	CERAMIC CHIP 0.1MF	25V	
C918	1-104-664-11	ELECT 47MF	20% 25V	
C919	1-104-664-11	ELECT 47MF	20% 25V	
C920	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	
C921	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	
C922	1-163-019-00	CERAMIC CHIP 0.0068MF	10% 50V	
C930	1-163-038-00	CERAMIC CHIP 0.1MF	25V	
C932	1-104-555-11	FILM CHIP 0.022MF	5% 16V	
C933	1-163-117-00	CERAMIC CHIP 100PF	5% 50V	
C934	1-104-561-11	FILM CHIP 0.068MF	5% 16V	
C935	1-124-126-00	ELECT 47MF	20% 16V	
C936	1-124-126-00	ELECT 47MF	20% 16V	
C953	1-163-038-00	CERAMIC CHIP 0.1MF	25V	
C954	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	
C958	1-104-664-11	ELECT 47MF	20% 25V	
C959	1-163-038-00	CERAMIC CHIP 0.1MF	25V	
C960	1-164-005-11	CERAMIC CHIP 0.47MF	25V	
C963	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	
C964	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	
C965	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	
C966	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	
C967	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	
C968	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	
C969	1-163-038-00	CERAMIC CHIP 0.1MF	25V	
C970	1-164-182-11	CERAMIC CHIP 0.0033MF	10% 50V	
C971	1-163-038-00	CERAMIC CHIP 0.1MF	25V	
C972	1-163-038-00	CERAMIC CHIP 0.1MF	25V	
C973	1-126-966-11	ELECT 33MF	20% 16V	
C974	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	
C976	1-163-117-00	CERAMIC CHIP 100PF	5% 50V	
C977	1-104-539-11	FILM CHIP 0.001MF	5% 50V	
C978	1-124-925-11	ELECT 2.2MF	20% 50V	
C979	1-104-551-11	FILM CHIP 0.01MF	5% 16V	
C980	1-163-113-00	CERAMIC CHIP 68PF	5% 50V	
C981	1-163-001-11	CERAMIC CHIP 220PF	10% 50V	
C982	1-104-555-11	FILM CHIP 0.022MF	5% 16V	
C983	1-124-282-00	ELECT 22MF	20% 16V	
C984	1-104-664-11	ELECT 47MF	20% 25V	
C985	1-163-038-00	CERAMIC CHIP 0.1MF	25V	
C986	1-104-563-11	FILM CHIP 0.1MF	5% 16V	
C987	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	
C988	1-124-126-00	ELECT 47MF	20% 16V	
C989	1-104-563-11	FILM CHIP 0.1MF	5% 16V	
C990	1-163-037-11	CERAMIC CHIP 0.022MF	10% 25V	
C991	1-163-038-00	CERAMIC CHIP 0.1MF	25V	
C992	1-163-038-00	CERAMIC CHIP 0.1MF	25V	

<CONNECTOR>

CN901	*1-564-514-11	PLUG, CONNECTOR 11P	
CN902	*1-564-510-11	PLUG, CONNECTOR 7P	
CN907	*1-564-509-11	PLUG, CONNECTOR 6P	
CN908	*1-564-508-11	PLUG, CONNECTOR 5P	
CN909	*1-564-507-11	PLUG, CONNECTOR 4P	
CN910	1-764-027-11	SOCKET, CONNECTOR 20P	
CN911	1-764-027-11	SOCKET, CONNECTOR 20P	

<DIODE>

D901	8-719-404-46	DIODE MA110
D902	8-719-404-46	DIODE MA110
D903	8-719-800-76	DIODE 1SS226
D904	8-719-800-76	DIODE 1SS226
D905	8-719-404-46	DIODE MA110
D906	8-719-404-46	DIODE MA110
D907	8-719-404-46	DIODE MA110
D908	8-719-404-46	DIODE MA110
D909	8-719-404-46	DIODE MA110
D910	8-719-404-46	DIODE MA110
D911	8-719-800-76	DIODE 1SS226
D912	8-719-800-76	DIODE 1SS226
D913	8-719-800-76	DIODE 1SS226
D914	8-719-800-76	DIODE 1SS226
D915	8-719-800-76	DIODE 1SS226
D917	8-719-404-46	DIODE MA110
D920	8-719-404-46	DIODE MA110

<FILTER>

FL951	1-236-071-11	ENCAPSULATED COMPONENT
FL956	1-236-071-11	ENCAPSULATED COMPONENT
FL957	1-236-071-11	ENCAPSULATED COMPONENT

<IC>

IC901	8-759-182-62	IC CXD8478Q
IC902	8-759-256-94	IC CD74HC4046AM-E2/SO
IC903	8-759-074-40	IC PST572DMT-T1
IC904	8-759-252-05	IC SC400644FU
IC905	8-759-189-89	IC SN751701PS-ELL2000
IC908	8-759-008-67	IC MC14066BF
IC909	8-759-981-48	IC TL082M
IC911	8-759-925-90	IC SN74HC74ANS
IC912	8-759-925-72	IC SN74HC02ANS
IC913	8-759-191-50	IC TDA9102C
IC914	8-759-981-48	IC TL082M

<COIL>

L905	1-412-537-31	INDUCTOR	100UH
L906	1-408-421-00	INDUCTOR	100UH
L907	1-408-421-00	INDUCTOR	100UH

<TRANSISTOR>

Q903	8-729-120-28	TRANSISTOR 2SC1623-L5L6
Q905	8-729-120-28	TRANSISTOR 2SC1623-L5L6
Q906	8-729-120-28	TRANSISTOR 2SC1623-L5L6
Q907	8-729-120-28	TRANSISTOR 2SC1623-L5L6
Q909	8-729-901-00	TRANSISTOR DTC124EK
Q910	8-729-232-13	TRANSISTOR 2SK1078
Q912	8-729-120-28	TRANSISTOR 2SC1623-L5L6

<RESISTOR>

R226	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W
R260	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R261	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R262	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R263	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R264	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R265	1-216-669-11	METAL CHIP	5.6K	0.50%	1/10W
R272	1-216-295-00	METAL GLAZE	0	5%	1/10W
R280	1-216-041-00	METAL GLAZE	470	5%	1/10W
R281	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R282	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R283	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

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REF.NO.	PART NO.	DESCRIPTION				REMARK
R284	1-216-675-11	METAL CHIP	10K	0.50%	1/10W	
R285	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R286	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R287	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R288	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R289	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R290	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W	
R291	1-216-651-11	METAL CHIP	1K	0.50%	1/10W	
R292	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R293	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R294	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R295	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R296	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R297	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R298	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R299	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R900	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R902	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R903	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R904	1-216-669-11	METAL CHIP	5.6K	0.50%	1/10W	
R905	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R906	1-216-683-11	METAL CHIP	22K	0.50%	1/10W	
R907	1-216-121-00	METAL GLAZE	1M	5%	1/10W	
R908	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R909	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R910	1-216-693-11	METAL CHIP	56K	0.50%	1/10W	
R911	1-216-627-11	METAL CHIP	100	0.50%	1/10W	
R912	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W	
R913	1-216-639-11	METAL CHIP	330	0.50%	1/10W	
R914	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R915	1-216-037-00	METAL GLAZE	330	5%	1/10W	
R916	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W	
R917	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R918	1-216-687-11	METAL CHIP	33K	0.50%	1/10W	
R919	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R920	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R921	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R922	1-216-129-00	METAL GLAZE	2.2M	5%	1/10W	
R923	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R924	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R925	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R926	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R927	1-216-657-11	METAL CHIP	1.8K	0.50%	1/10W	
R928	1-216-695-11	METAL CHIP	68K	0.50%	1/10W	
R929	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R931	1-216-683-11	METAL CHIP	22K	0.50%	1/10W	
R933	1-216-097-00	METAL GLAZE	100K	5%	1/10W	
R934	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R935	1-216-071-00	METAL GLAZE	8.2K	5%	1/10W	
R936	1-216-097-00	METAL GLAZE	100K	5%	1/10W	
R937	1-216-661-11	METAL CHIP	2.7K	0.50%	1/10W	
R938	1-216-671-11	METAL CHIP	6.8K	0.50%	1/10W	
R939	1-216-693-11	METAL CHIP	56K	0.50%	1/10W	
R940	1-216-655-11	METAL CHIP	1.5K	0.50%	1/10W	
R941	1-216-663-11	METAL CHIP	3.3K	0.50%	1/10W	
R942	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W	
R943	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R944	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R945	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R946	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R947	1-216-695-11	METAL CHIP	68K	0.50%	1/10W	
R948	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R949	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W	
R950	1-216-694-11	METAL CHIP	62K	0.50%	1/10W	
R951	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R952	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R953	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W	
R954	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R955	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R956	1-216-697-11	METAL CHIP	82K	0.50%	1/10W	
R957	1-216-117-00	METAL GLAZE	680K	5%	1/10W	
R958	1-216-105-00	METAL GLAZE	220K	5%	1/10W	
R960	1-216-067-00	METAL GLAZE	5.6K	5%	1/10W	
R961	1-216-075-00	METAL GLAZE	12K	5%	1/10W	
R962	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R963	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R965	1-216-075-00	METAL GLAZE	12K	5%	1/10W	
R966	1-216-117-00	METAL GLAZE	680K	5%	1/10W	
R967	1-216-689-11	METAL CHIP	39K	0.50%	1/10W	
R968	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R969	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R970	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R971	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R972	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R973	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R974	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R975	1-216-673-11	METAL CHIP	8.2K	0.50%	1/10W	
R976	1-216-669-11	METAL CHIP	5.6K	0.50%	1/10W	
R977	1-216-663-11	METAL CHIP	3.3K	0.50%	1/10W	
R978	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W	
R979	1-216-037-00	METAL GLAZE	330	5%	1/10W	
R980	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R981	1-216-121-00	METAL GLAZE	1M	5%	1/10W	
R982	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R983	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R984	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R985	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R986	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R987	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R988	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R990	1-216-075-00	METAL GLAZE	12K	5%	1/10W	
R991	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R992	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R993	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R994	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R995	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R996	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R997	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R998	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R999	1-216-049-00	METAL GLAZE	1K	5%	1/10W	

<CRYSTAL>

X901	1-567-890-11	VIBRATOR, CRYSTAL

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MISCELLANEOUS
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⚠	1-223-417-11	RESISTOR ASSY (HIGH-VOLTAGE)
⚠	1-251-141-11	INLET, AC (3P)
⚠	1-406-950-11	COIL, DEGAUSSING
	1-537-583-11	TERMINAL BOARD ASSY, I/O
	1-900-048-39	CONNECTOR ASSY, MICRO 11P(MAIN HARNESS)
	1-900-048-40	CONNECTOR ASSY, MICRO 8P (SUB HARNESS)
V901 ⚠	8-738-588-90	ITC ASSY

English
93KK0513-1
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GDM-17SE1

SONY
SERVICE MANUAL

US Model
Canadian Model
Chassis No. SCC-G24B-A

CORRECTION-1

File This supplement with the service manual.

INTRODUCTION
White Balance Adjustment Correction

Page 11 • White Balance Adjustment Specification

Adjustments Procedure	Input signal	Value of CONT, BRT	Adjust point	Specification
Color mode 6500K (NDX=0)				
1	Glay	CONT-255, BRT-110	G2	Green become starting to be visible
2	ALL Black	BRT-255, CONT-0	R. CUT MAX, G. CUT MAX, B. CUT MAX	0.313 ± 0.010, 0.329 ± 0.010 (x, y) Y=3 ± 0.5 cd/m²
3	ALL White	BRT-80, CONT-255, G. CUT MIN * Note	G-DRV	Y=80 ± 1 cd/m²
4	Glay	BRT-80, CONT-255	R. CUT MIN, B CUT MIN	0.313 ± 0.010, 0.329 ± 0.010 (x, y)
5	ALL White	BRT-80, CONT-255	R-DRV, B-DRV, CONT MAX/BRT MAX	0.363 ± 0.010, 0.329 ± 0.010 (x, y) Y=110 ± 1 cd/m²
6	ALL White	BRT-80, CONT-0	CONT MIN/BRT MAX, CONT MIN/BRT MIN	Y=80 ± 1 cd/m²
7	ALL White	BRT-255, CONT-255	CONT MAX/BRT MAX	Less than 150 cd/m²
8		BRT-80		Color Save
Color mode RED (NDX=1)				
1				Copy all data of mode 6500K
2	ALL Black	BRT-255, CONT-0	R. CUT MAX. G. CUT MAX B. CUT MAX	0.363 ± 0.010, 0.329 ± 0.010 (x, y) Y=3 ± 0.5 cd/m²
3	Glay	BRT-80, CONT-255, G. CUT MIN * Note	R. CUT MIN, B CUT MIN	0.363 ± 0.010, 0.329 ± 0.010 (x, y)
4	ALL White	BRT-80, CONT-255	R-DRV, B-DRV, CONT MAX/BRT MAX	0.363 ± 0.010, 0.329 ± 0.010 (x, y) Y=70 ± 1 cd/m²
5	ALL White	BRT-80, CONT-0	CONT MIN/BRT MIN, CONT MIN/BRT MAX	Y=8 ± 1cd/m²
6	ALL White	BRT-255, CONT-255	CONT MAX/BRT MAX	Less than 150 cd/m²
7		BRT-80		Color Save

– Continued on next page –

MICROFILM

Adjustments Procedure	Input signal	Value of CONT, BRT	Adjust point	Specification
Color mode Green (NDX=2)				
1				Copy all data of mode 6500K
2	ALL Black	BRT-255, CONT-0	R. CUT MAX, G. CUT MAX, B. CUT MAX	0.307 ± 0.010, 0.378 ± 0.010 (x, y) Y=3 ± 0.5 cd/m²
3	Glay	BRT-80, CONT-255, G. CUT MIN * Note	R. CUT MIN, B CUT MIN	0.307 ± 0.010, 0.378 ± 0.010 (x, y)
4	ALL White	BRT-80, CONT-255	R-DRV, B-DRV, CONT MAX/BRT MAX	0.345 ± 0.010, 0.358 ± 0.010 (x, y) Y=100 ± 1 cd/m²
5	ALL White	BRT-80, CONT-0	CONT MIN/BRT MIN, CONT MIN/BRT MAX	Y=8 ± 1 cd/m²
6	ALL White	BRT-255, CONT-255	CONT MAX/BRT MAX	Less than 150 cd/m²
7				Color Save
Color mode BLUE (NDX=3)				
1				Copy all data of mode 6500K
2	ALL Black	BRT-255, CONT-0	R. CUT MAX, G. CUT MAX, B. CUT MAX	0.289 ± 0.010, 0.288 ± 0.010 (x, y) Y=3 ± 0.5 cd/m²
3	Glay	BRT-80, CONT-255, G. CUT MIN * Note	R. CUT MIN, B CUT MIN	0.289 ± 0.010, 0.288 ± 0.010 (x, y)
4	ALL White	BRT-80, CONT-255	R-DRV, B-DRV, CONT MAX/BRT MAX	0.289 ± 0.010, 0.288 ± 0.010 (x, y) Y=110 ± 1 cd/m²
5	ALL White	BRT-80, CONT-0	CONT MIN/BRT MIN, CONT MIN/BRT MAX	Y=8 ± 1 cd/m²
6	ALL White	BRT-255, CONT-255	CONT MAX/BRT MAX	Less than 150 cd/m²
7				Color Save
Data of MON CON REG 1 shall be set to "128"				
1		NDX=1 (9300K)	Input data HUE=153, SAT=217, then Color Save	
2		NDX=2 (6500K)	Input data HUE=0, SAT=0, then Color Save	
3		NDX=3 (5000K)	Input data HUE=23, SAT=217, then Color Save	
4		NDX=1	Service Save	

Note: $\frac{110 \times 255\text{-}80 \times (\text{G. CUT MAX Value})}{175}$

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